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**U.S. Army  
Environmental  
Center**

**FINAL  
PHASE I SITE INSPECTION REPORT  
FOR SITES IDENTIFIED IN THE 1994  
PRELIMINARY ASSESSMENT REPORT AND AREAS OF  
CONCERN 3, 8, 9  
FORT ALLEN  
JUANA DIAZ, PUERTO RICO**

**VOLUME II OF II  
APPENDICES A THROUGH K**

**CONTRACT DACA31-94-D-0061  
DELIVERY ORDER NO. 0010**

**U.S. ARMY ENVIRONMENTAL CENTER  
ABERDEEN PROVING GROUND, MARYLAND**

**JANUARY 1997**

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**GEOPROBE DATA RECORDS**

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area OMS-9

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-M9-01<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1352 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                               | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, CLAY, high plasticity, brown, no odor, moist |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-M9-01<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1406 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.) 1228 ppm<br>OH, CLAY, high plasticity, mottled brown/gray/black w/ some staining, moderate petroleum-like odor, moist |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-M9-02<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1437 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                               | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, SANDY CLAY, medium grained, brown, no odor, moist |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-M9-02<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1448 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY, medium plasticity, mottled brown/gray/green, no odor, moist |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area OMS-9

| Sample ID | Field Sample Number | Matrix | Date | Time | Depth | Collection Method |
|-----------|---------------------|--------|------|------|-------|-------------------|
|-----------|---------------------|--------|------|------|-------|-------------------|

|                   |  |  |       |      |  |  |
|-------------------|--|--|-------|------|--|--|
| GP-M9-03<br>(0-4) |  | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1523 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
|-------------------|--|--|-------|------|--|--|

Observations (Texture, Color, Odor, Etc.)

OH, CLAY, high plasticity, brown to black, no odor, moist

Sample Collected for:

☐ Laboratory Analysis  
☐ Field Analysis

| Sample ID | Field Sample Number | Matrix | Date | Time | Depth | Collection Method |
|-----------|---------------------|--------|------|------|-------|-------------------|
|-----------|---------------------|--------|------|------|-------|-------------------|

|                    |  |  |       |      |   |  |
|--------------------|--|--|-------|------|---|--|
| GP-M9-03<br>(6-10) |  | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1534 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
|--------------------|--|--|-------|------|---|--|

Observations (Texture, Color, Odor, Etc.)

CL, CLAY, medium to high plasticity, mottled gray/brown/green, no odor, moist

Sample Collected for:

☒ Laboratory Analysis  
☐ Field Analysis

| Sample ID | Field Sample Number | Matrix | Date | Time | Depth | Collection Method |
|-----------|---------------------|--------|------|------|-------|-------------------|
|-----------|---------------------|--------|------|------|-------|-------------------|

|                   |  |  |       |      |  |  |
|-------------------|--|--|-------|------|--|--|
| GP-M9-04<br>(0-4) |  | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1550 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
|-------------------|--|--|-------|------|--|--|

Observations (Texture, Color, Odor, Etc.)

ML, SILTY CLAY, slight plasticity, brown, no odor, dry

Sample Collected for:

☐ Laboratory Analysis  
☐ Field Analysis

| Sample ID | Field Sample Number | Matrix | Date | Time | Depth | Collection Method |
|-----------|---------------------|--------|------|------|-------|-------------------|
|-----------|---------------------|--------|------|------|-------|-------------------|

|                    |  |  |       |      |   |   |
|--------------------|--|--|-------|------|---|---|
| GP-M9-04<br>(6-10) |  | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1602 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
|--------------------|--|--|-------|------|---|---|

Observations (Texture, Color, Odor, Etc.)

OH, CLAY, high plasticity, brown, no odor, moist

Sample Collected for:

☒ Laboratory Analysis  
☐ Field Analysis

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area OMS-9

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-M9-05<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0936 | 0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>0 ft CLAY w/ roots, high plasticity, brown, no odor & sn moist. |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-M9-05<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0946 | 6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY, medium plasticity, no odor, moist, brown |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|--|---------------------|---|------|------|--|---|
|  |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet   | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.) |                     |   |      |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |   |

| Sample ID  | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|--|---------------------|---|------|------|--|---|
|  |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet   | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.) |                     |   |      |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |   |

Project FORT ALLEN, PRStudy Area PAINT AND CHEMICAL STORAGE AREA

| Sample ID   | Field Sample Number | Matrix   | Date     | Time | Depth   | Collection Method  |
|---|---------------------|--|----------|------|---|--|
| GP-PC-01-04   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/13/96 | 0910 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.) 3"-1' - FILL GRAVELLY (CLAY)<br>1'-4' CL, CLAY, HIGHLY PLASTIC, SOME MEDIUM SAND, MEDIUM BROWN COLOR |                     |  |          |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date     | Time | Depth   | Collection Method  |
|---|---------------------|--|----------|------|---|--|
| GP-PC-01-610  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/15/96 | 0931 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.) slight sand<br>6-10 CL, CLAY, medium brown, med plasticity, dry, some med sand |                     |  |          |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time         | Depth   | Collection Method  |
|---|---------------------|--|-------|--------------|---|--|
| GP-PC-02-04   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/13 | 0955<br>0955 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML CLAY w/ gravel (rounded), brown, med. plasticity, no odor, moist |                     |  |       |              | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PC-02-610   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/13 | 1007 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, SANDY CLAY, medium brown, medium to coarse grained sand, angular, dry, slight plasticity |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

# FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PR

Study Area PAINT AND CHEMICAL STORAGE

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PC-03-04  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1040 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>24<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |  |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAY w/ gravel, brown, moderate plasticity, moist, no odor |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-PC-03-610  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1052 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>6-10<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |  |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, CLAY, highly plastic, minor sand (<1%), brown, no odor, moist |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-PC-04-04  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1111 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>0-4<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |  |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAY w/ some sand, brown to black, no odor, moist<br>moderate plasticity, some roots |                     |  |       |      |  | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-PC-04-610  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1119 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>6-10<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |  |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, SAND & CLAY, brown, medium to coarse grained sand, no<br>odor, slight plasticity, dry |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FOAT ALLEN, PR  
 Study Area PESTICIDE/HERBICIDE

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PH-01-04  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1417 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>AL, SANDY CLAY, slight plasticity, brown, no odor, dry, medium grained sand. |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PH-01-610   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1426 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, CLAY, highly plastic, some coarse sand, dry, brown |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PH-02-04  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1507 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>AL, SANDY CLAY, medium to coarse grained sand, brown, slight plasticity, dry, no odor. |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-PH-02-610   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1515 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL SANDY CLAY, medium to coarse grained sand, mottled brown/green/orange, medium plasticity, dry, no odor. |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |  |

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, LA

Study Area RESTORE THE BAY

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|------------|---------------------|--|-------|------|--|--|
| GP-PH-0304 |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1537 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |

|  |   |
|--|---|
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ gravel, medium plasticity, brown, dry, no odor | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |
|--|---|

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|-------------|---------------------|--|-------|------|---|--|
| GP-PH-03610 |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1548 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |

|   |   |
|---|---|
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY, w/sand (med grained), medium plasticity, brown moist, no odor | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input checked="" type="checkbox"/> Field Analysis |
|---|---|

| Sample ID | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|-----------|---------------------|---|------|------|--|---|
|           |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |

|  |  |
|--|--|
| <b>Observations</b> (Texture, Color, Odor, Etc.) | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |
|--|--|

| Sample ID | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|-----------|---------------------|---|------|------|--|---|
|           |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |

|  |  |
|--|--|
| <b>Observations</b> (Texture, Color, Odor, Etc.) | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |
|--|--|



Project FORT ALLEN, PRStudy Area WASTE WATER TREATMENT PLANT

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-WW-01<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1019 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, CLAY, high plasticity, brown, no odor, moist |                     |  |       |      |  | <b>Sample Collected for:</b><br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis            |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GPWW-01<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1027 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, clayey SILT, slight plasticity, brown, no odor, dry |                     |  |       |      |   | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-WW-02<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1050 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, slight plasticity, brown, no odor, dry |                     |  |       |      |  | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-WW-02<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1058 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, slight plasticity, brown, no odor, moist |                     |  |       |      |   | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PR  
 Study Area WASTE WATER TREATMENT PLANT

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-WW-04<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1342 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>0-4<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |  |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium plasticity, brown, no odor, moist |                     |  |       |      |  | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method   |
|--|---------------------|--|-------|------|---|---|
| GP-WW-04<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1350 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>6-10<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |   |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML CL, CLAYEY SILT, little plasticity, brown, no odor, moist |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method   |
|--|---------------------|--|-------|------|--|---|
| GP-WW-03<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-17 | 0847 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>0-4<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |   |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY, medium plasticity, brown, no odor, moist |                     |  |       |      |  | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method   |
|---|---------------------|--|-------|------|---|---|
| GP-WW-03<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-17 | 0854 | <input type="checkbox"/> Inches <input checked="" type="checkbox"/> Soil Probe<br>6-10<br><input checked="" type="checkbox"/> Feet <input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |   |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML SILTY CLAY, slight plasticity, brown, no odor, dry |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area WASTE WATER TREATMENT PLANT

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-WW-06<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1136 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                               | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-WW-06<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1143 | <input type="checkbox"/> Inches<br><del>6-10</del><br><input checked="" type="checkbox"/> Feet                              | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, slight to medium plasticity, brown/gray, no odor, moist |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-WW-05<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1311 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                               | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, little to no plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-WW-05<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 1318 | <input type="checkbox"/> Inches<br><del>6-10</del><br><input checked="" type="checkbox"/> Feet                              | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium plasticity, brown, no odor, moist |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FT ALLENStudy Area AOC 3

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-01<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1352 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium plasticity, roots, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-01<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1400 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, SLIGHT plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-03-02<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1431 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-02<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1438 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area AOC 3

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-03-03<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/14 | 1512 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium plasticity, brown, some gravel (<5%)<br>dry, no odor |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-03-03<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/14 | 1521 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, no to little plasticity, brown, no odor,<br>dry |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-03-04<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/14 | 1556 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown, no odor, moist |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-03-04<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11/14 | 1605 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, little to no plasticity, brown, no odor |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area AOC 3

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-03-05<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 0808 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-06<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 0848 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, medium plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-03-07<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 0937 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, low plasticity, very hard, brown to gray, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-03-08<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1036 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT w/ some coarse sand, hard, little to no plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area AOC 3

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-09<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1128 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> 6-10 Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, hard, little to no plasticity, brown,<br>no odor, dry. |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-03-09 <sup>10</sup><br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-15 | 1212 | <input type="checkbox"/> Inches<br><input checked="" type="checkbox"/> 6-10 Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, CLAYEY SILT, hard, little to no plasticity, brown, dry,<br>no odor. |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID                                 | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|---|---------------------|---|------|------|--|---|
|   |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet   | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.) |                     |   |      |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |   |

| Sample ID                                 | Field Sample Number | Matrix  | Date | Time | Depth  | Collection Method   |
|---|---------------------|---|------|------|--|---|
|   |                     | <input type="checkbox"/> Water<br><input type="checkbox"/> Soil/Sed |      |      | <input type="checkbox"/> Inches<br><input type="checkbox"/> Feet   | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.) |                     |   |      |      | Sample Collected for:<br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |   |

FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PR  
Study Area AOC8

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-08-01<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0805 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                                      | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, SANDY CLAY, high plasticity, medium sand, brown,<br>no odor, moist |                     |  |       |      | <b>Sample Collected for:</b><br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|--|---------------------|--|-------|------|--|--|
| GP-08-01<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0813 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, SILTY CLAY, slight plasticity, brown/gray, no<br>odor, moist |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-08-02<br>(0-4)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0842 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet                                      | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, GRAVELY CLAY, brown, medium plasticity, no odor, moist |                     |  |       |      | <b>Sample Collected for:</b><br><input type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-08-02<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-16 | 0852 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, GRAVELY CLAY, medium to high plasticity, brown,<br>no odor, wet |                     |  |       |      | <b>Sample Collected for:</b><br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |



## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, FRStudy Area AUC 9

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-01-04   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1319 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, CLAY, w/ sand + gravel (red sand), brown, no odor,<br>wet at 6", moderately plastic |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method   |
|---|---------------------|--|-------|------|---|---|
| GP-09-01-610  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1327 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH CLAY, highly plastic, some coarse angular sand<br>brown, saturated |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |   |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-02-04   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1350 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL CLAY SANDY CLAY, medium to coarse grained, brown,<br>medium plasticity, moist, no odor |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-02-610  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-13 | 1342 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH CLAY, highly plastic, some coarse sand, dry, brown |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

# FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FT ALLEN, PR

Study Area AOC 9

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-03<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0755 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown, moist, no odor |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-09-03<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0806 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>OH, CLAY, high plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-04<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0825 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-09-04<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0832 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY, w/ roots, medium plasticity, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

## FIELD INVESTIGATION DATA RECORD GEOPROBE SOIL/WATER SYSTEM INFORMATION

Project FORT ALLEN, PRStudy Area AOC 9

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-06<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1038 | <input type="checkbox"/> Inches 0-4<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown to black, moist, no odor |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-06<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1045 | <input type="checkbox"/> Inches 6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>ML, Clayey silt, slight plasticity, some gravel, brown, no odor, dry |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-07 <sup>0750</sup><br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1117 | <input type="checkbox"/> Inches 0-4<br><input checked="" type="checkbox"/> Feet   | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>OH, CLAY, high plasticity, brown to black w/ roots, moist, no odor |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-07<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 1127 | <input type="checkbox"/> Inches 6-10<br><input checked="" type="checkbox"/> Feet  | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| Observations (Texture, Color, Odor, Etc.)<br>CL, SILTY CLAY, medium to low plasticity, brown, dry, no odor. |                     |  |       |      | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis |  |

ABB Environmental Services, Inc.

**FIELD INVESTIGATION DATA RECORD    GEOPROBE SOIL/WATER SYSTEM INFORMATION**

Project FORT ALLEN, PR

Study Area AOC 9

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-09-08<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0909 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>ML, Gravelly Clay, gravel 2 mm, brown, no odor, dry, slightly plastic |                     |  |       |      |  | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis        |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|---|---------------------|--|-------|------|---|--|
| GP-09-08<br>(6-10)  |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0917 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>SC, CLAYEY SAND, medium grained, moderate sorting, no odor, dry |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis        |

| Sample ID   | Field Sample Number | Matrix   | Date  | Time | Depth  | Collection Method  |
|---|---------------------|--|-------|------|--|--|
| GP-09-05<br>(0-4)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0942 | <input type="checkbox"/> Inches<br>0-4<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, CLAY w/ roots, medium plasticity, brown, no odor, moist |                     |  |       |      |  | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis        |

| Sample ID  | Field Sample Number | Matrix   | Date  | Time | Depth   | Collection Method  |
|--|---------------------|--|-------|------|---|--|
| GP-09-05<br>(6-10)   |                     | <input type="checkbox"/> Water<br><input checked="" type="checkbox"/> Soil/Sed | 11-14 | 0950 | <input type="checkbox"/> Inches<br>6-10<br><input checked="" type="checkbox"/> Feet | <input checked="" type="checkbox"/> Soil Probe<br><input type="checkbox"/> Surface Soil<br><input type="checkbox"/> Bail for Water |
| <b>Observations</b> (Texture, Color, Odor, Etc.)<br>CL, silty CLAY, medium plasticity, brown, no odor, dry |                     |  |       |      |   | Sample Collected for:<br><input checked="" type="checkbox"/> Laboratory Analysis<br><input type="checkbox"/> Field Analysis        |



**SOIL BORING LOGS**

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**ABB Environmental Services, Inc.**

# SOIL BORING LOG

Study Area: **OMS-9**

Boring No.: **SB-M9-01**

Client: **AEC**

Project No. **989003**

Protection: **D**

Contractor: **SOILTECH**

Date Started: **11-19-96**

Completed: **11-19-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **NA 12**

Logged by: **S. Donelick**

Checked by:

☒ Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLIP/SCREENING | RECOVERY    | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION                                   | SOIL CLASS | WELL DATA  |
|------------|---------------|--------------|----------------|-------------|-----------|---|------------|------------|
| 2          |               | 0-2          |                | 70% $\phi$  |           | CLAY w/ some sand (medium)<br>high plasticity, brown,<br>no odor, moist | OH         | 2 4 6 8    |
| 4          |               |              |                |             |           |   |            |            |
| 6          |               | 5-7          |                | 100% $\phi$ |           | CLAY, high plasticity, brown<br>no odor, moist                          | OH         | 5 8 9 14   |
| 8          |               |              |                |             |           |   |            |            |
| 10         |               |              |                |             |           |   |            |            |
| 12         |               | 10-12        |                | 100% $\phi$ |           | CLAY, high plasticity, brown<br>no odor, moist                          | OH         | 6 10 11 16 |

# SOIL BORING LOG

Study Area: *Pesticide/Herbicide*

Boring No.: *SB-PH-01*

Client: *AEC*

Project No. *9890-03*

Protection: *D*

Contractor: *SOIL TECH*

Date Started: *11-19-96*

Completed: *11-19-96*

Method: *HSA*

Casing Size: *NA*

PI Meter: *TE 500B*

Ground Elev.: *NA*

Soil Drilled: *10*

Total Depth: *12*

Logged by: *S. Donelick*

Checked by:

☒ Below Ground: *NA*

Screen: *NA (ft.)*

Riser: *NA (ft.)*

Diam: *NA (ID)*

Material: *NA*

Page *1* of *1*

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION                 | SOIL CLASS | WELL DATA  |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|------------|
| 2          | 0             | 0-2          |               | -        | 0         | ASPHALT + GRAVEL FILL                                 |            |            |
| 4          |               |              |               |          |           |   |            |            |
| 6          |               | 51           |               | 80%      | 0         | CLAY, high plasticity, brown to black, no odor, moist | OH         | 4 6 9 12   |
| 8          |               |              |               |          |           |   |            |            |
| 10         |               |              |               |          |           |   |            |            |
| 12         |               | ptc          |               | 80%      | 0         | SILTY CLAY, medium plasticity, brown, no odor, moist. | CL         | 8 11 14 16 |



# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **SB-09-01**

Protection: **Mod. Level D**

Completed: **11-18-96**

PI Meter: **TE 580B**

Total Depth: **12'**

Below Ground: **NA**

Page **1** of **1**

Client: **Army Environmental Center** Project No. **9890-03**

Contractor: **Soil Tech** Date Started: **11-18-96**

Method: **HSA** Casing Size: **NA**

Ground Elev.: **NA** Soil Drilled: **10'**

Logged by: **S. DONELICK** Checked by:

Screen: **NA** (ft.) Riser: **NA** (ft.) Diam: **NA** (ID) Material: **NA**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | P/D (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION                     | SOIL CLASS | WELL DATA |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|-----------|
| 2          | 0-2           | 20           | φ             |          |           | CLAY, high plasticity, brown, no odor, moist, some gravel | OH         | 7 11 18   |
| 4          |               |              |               |          |           |   |            |           |
| 6          | 5-7           | 1.7          | φ             |          |           | CLAY, high plasticity, brown, no odor, moist              | OH         | 4 11 18   |
| 8          |               |              |               |          |           |   |            |           |
| 10         | 10-12         | 1.5          | φ             |          |           | SILTY CLAY, medium plasticity, brown, no odor, dry        | CL         | 3 8 15 21 |
| 12         |               |              |               |          |           |   |            |           |

# SOIL BORING LOG

Study Area: **AOL 9**

Boring No.: **SB-09-02**

Client: **AEC**

Project No. **9890-03**

Protection: **LEX 1 D Mod.**

Contractor: **SOIL TECH**

Date Started: **11-18-96**

Completed: **11-18-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE5806**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **S. DONELICK**

Checked by:

Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION                                   | SOIL CLASS | WELL DATA  |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|------------|
| 2          |               | 0-2          | 50%           | ✓        |           | OH, CLAY w/ gravel, brown<br>high plasticity, no odor,<br>moist         | OH         | 5 10 15 20 |
| 4          |               |              |               |          |           |   |            |            |
| 6          |               | 5-7          | 80%           | ✓        |           | CLAY w/ some silt and sand,<br>medium plasticity, brown<br>no odor, dry | CL         | 7 15 16 21 |
| 8          |               |              |               |          |           |   |            |            |
| 10         |               | 10-12        | 50%           | ✓        |           | CLAYEY SILT, little to no<br>plasticity, brown, no odor,<br>dry.        | ML         | 12 40 50   |
| 12         |               |              |               |          |           |   |            |            |

# SOIL BORING LOG

Study Area: **AOC9**

Boring No.: **SB-09-03**

Client: **AEC**

Project No. **9890-03**

Protection: **D**

Contractor: **Soil Tech**

Date Started: **11-18-96**

Completed:

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580 B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **SD**

Checked by:

Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION                 | SOIL CLASS | WELL DATA   |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|-------------|
| 2          | 0-2           |              |               | 100%     | 0         | CLAY w/ roots, high plasticity, brown, no odor, moist | OH         | 6 11 24 26  |
| 4          |               |              |               |          |           |   |            |             |
| 6          | 5-7           |              |               | 75%      | 0         | CLAY w/ silt, medium plasticity, brown, no odor, dry  | CL         | 10 20 17 24 |
| 8          |               |              |               |          |           |   |            |             |
| 10         |               |              |               |          |           |   |            |             |
| 12         | 10-12         |              |               | 50%      | 0         | CLAY w/ silt, medium plasticity, brown, no odor, dry  | CL         | 4 7 12 15   |

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **SB-09-04**

Client: **AEC**

Project No. **9890-03**

Protection: **Mod. Level D**

Contractor: **SOIL TECH**

Date Started: **11-18-96**

Completed: **11-18-96**

Method: **HSA**

Casing Size: **NA**

PI Meter: **TE 580B**

Ground Elev.: **NA**

Soil Drilled: **10**

Total Depth: **12**

Logged by: **S. Donelick**

Checked by:

Below Ground: **NA**

Screen: **NA (ft.)**

Riser: **NA (ft.)**

Diam: **NA (ID)**

Material: **NA**

Page **1** of **1**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLIP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION  | SOIL CLASS | WELL DATA   |
|------------|---------------|--------------|----------------|----------|-----------|--|------------|-------------|
| 2          | 02            | 1-7          | φ              |          |           | CLAY w/ roots and some minor gravel, high plasticity, brown, no odor, moist        | OH         | 2 6 12 16   |
| 4          |               |              |                |          |           |  |            |             |
| 6          | 5-7           |              | φ              |          |           | ML, CLAYEY SILT, little to no plasticity, brown, no odor, dry                      | ML         | 14 22 24 27 |
| 8          |               |              |                |          |           |  |            |             |
| 10         | 10-12         | 1-3          | φ              |          |           | CLAYEY SILT, w/ some medium grained sand, slight plasticity, brown, no odor, moist | ML         | 9 12 23 29  |
| 12         |               |              |                |          |           |  |            |             |

# SOIL BORING LOG

Study Area: AOC 3

Boring No.: MW-03-01

Protection: Mod. D.

Client: USAFEC

Project No. 9890-03

Contractor: Soil tech

Date Started: 11 - 14 - 96

Completed:

Method: *HSA*

Casing Size: 6 1/4 ID HSA

PI Meter: TE 580B (11.7eV)

Ground Elev.:

Soil Drilled:

Total Depth: 40 ft

Logged by: M. ALONSO

Checked by:

Below Ground: 27 ft

Screen: **15** (ft.)

Riser:

Diam: **2-in** (ID)

Material: Sh 40 PVC

Page 1 of: 2

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION  | SOIL CLASS | WELL DATA | 2-inch Sch 40 PVC |
|------------|---------------|--------------|---------------|----------|-----------|--|------------|-----------|-------------------|
| 0.0        | S-1           | X            | N/A           | 1.0/2.0  | BKG       | DARK Brown; sandy clay, plasticity highly plastic, moist; Alluvium no apparent structure or fracture<br>PID - Background                         | SM         |           |                   |
| 2.5        |               |              |               |          |           |  |            |           |                   |
| 5.0        | S-2           | X            | N/A           | 1.4/2.0  | BKG       | Light Brown, fine silts, non-plastic non-friable, well graded, dry different than first sample<br>no structures or fractures<br>PID - Background | ML         |           |                   |
| 7.5        |               |              |               |          |           |  |            |           |                   |
| 10.0       | S-3           | X            | N/A           | 1.2/2.0  | BKG       | Light Brown clayey silts w/ fine sand non-plastic friable, dry,<br>no structure<br>PID - Background  | ML         |           |                   |
| 12.5       |               |              |               |          |           |  |            |           |                   |
| 15.0       | S-4           | X            | N/A           | 1.0/2.0  | BKG       | Light Brown clayey silts w/ fine sand non-plastic, friable, dry<br>no structure, PID background  | ML         |           |                   |
| 17.5       |               |              |               |          |           |  |            |           |                   |
| 20.0       | S-5           | X            | N/A           | 1.0/2.0  | BKG       | Light Brown clayey silts w/ fine sand changing to a medium brown sandy silty clayey mixture.<br>non-plastic, friable (white).                    |            |           |                   |
| 22.5       |               |              |               |          |           |  |            |           |                   |
| 25.0       | S-6           | X            |               |          |           |  |            |           |                   |

BKG: Background

| SOIL BORING LOG              |  |                                    |  | Study Area: ADC 3                 |  |
|------------------------------|--|------------------------------------|--|-----------------------------------|--|
| Client: <b>USAEC</b>         |  | Project No. <b>09890-03</b>        |  | Boring No.: <b>MN-03-01</b>       |  |
| Contractor: <b>Soil tech</b> |  | Date Started: <b>11/14/96</b>      |  | Protection: <b>Mod. D</b>         |  |
| Method: <b>HSA</b>           |  | Casing Size: <b>6 1/4 I.D. HSA</b> |  | Completed: <b>11/15/96</b>        |  |
| Ground Elev.: _____          |  | Soil Drilled: _____                |  | PI Meter: <b>TE 580B (11.5eV)</b> |  |
| Logged by: <b>M. Alonso</b>  |  | Checked by: _____                  |  | Total Depth: <b>40.0 feet</b>     |  |
| Screen: <b>15 (ft.)</b>      |  | Riser: <b>25 (ft.)</b>             |  | Below Ground: <b>27 feet</b>      |  |
| Diam: <b>2-in (ID)</b>       |  | Material: <b>Sch 40 PVC</b>        |  | Page <b>2</b> of <b>2</b>         |  |

4 ft Above ground

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLIP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION  | SOIL CLASS | WELL DATA |
|------------|---------------|--------------|----------------|----------|-----------|--|------------|-----------|
| 25         | S-6           | X            | N/A            | 1.7/2.0  | BKG       | DARK BROWN, fine sand with gravel 1/2-in Diameter, moist non-plastic, friable, poorly sorted, Alluvium, Moist. PID Background.                       |            |           |
| 27.5       |               |              |                |          |           |  |            |           |
| 30         | S-7           | X            | N/A            | 1.3/2.0  | BKG       | - DARK BROWN medium size sand with GRAVEL and fines (silt) Wet. non-plastic, friable poorly sorted, Alluvium PID Background.                         |            |           |
| 32.5       |               |              |                |          |           |  |            |           |
| 35         | S-8           | X            | N/A            | 1.0/2.0  | BKG       | DARK BROWN medium size sand, with GRAVEL and fines (silt) Wet, non-plastic, friable, poorly sorted alluvium of volcanic origin. PID Background.      |            |           |
| 37.5       |               |              |                |          |           |  |            |           |
| 40         |               | X            | N/A            | 1.0/2.0  |           | DARK BROWN medium size sand with large gravel of volcanic origin with fines (silt) Wet, non-plastic, friable, poorly sorted Alluvium PID Background. |            |           |
| 42.5       |               |              |                |          |           | Completed boring to 40 feet.   |            |           |

2-in  
ADL  
Slot  
Sch  
PVC  
Screen

TD = 40 ft

BKG = Background.

# SOIL BORING LOG

Study Area: **AOC 3**

Boring No.: **MW-03-02**

Client: **USAEC**

Project No. **09890-03**

Protection: **Mod. D**

Contractor: **Soil tech**

Date Started: **11/15/96**

Completed: **11/16/96**

Method: **HSA**

Casing Size: **6 1/4"**

PI Meter: **TE 580 B (11.5EV)**

Ground Elev.:

Soil Drilled:

Total Depth: **36 feet bbs**

Logged by: **M. ALONSO**

Checked by:

☒ Below Ground:

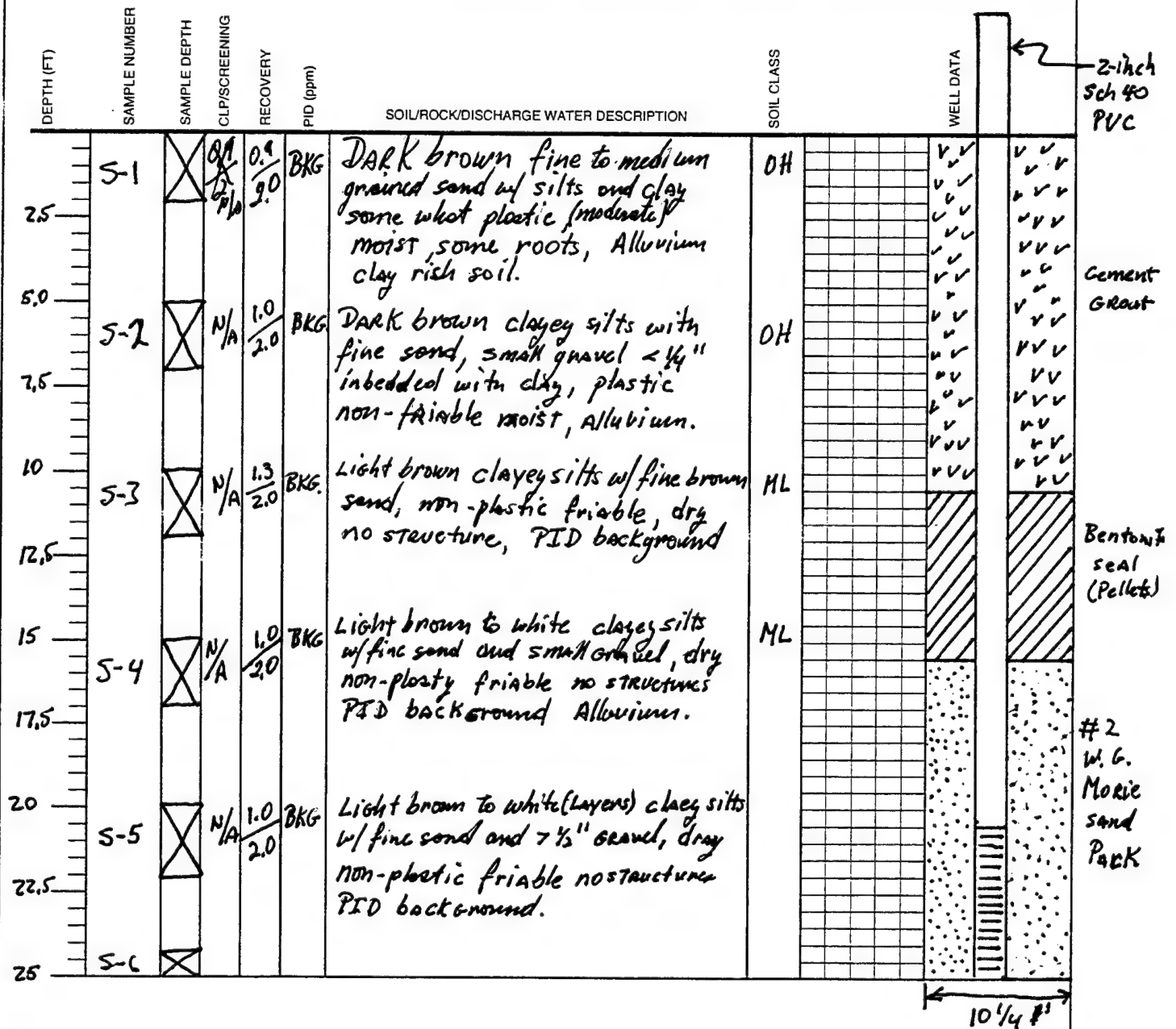
Screen: (ft.)

Riser: (ft.)

Diam: (ID)

Material:

Page **1** of:



BKG = Background

# SOIL BORING LOG

Study Area: AOC 3

Boring No.: MW-03-02

Protection: *Mod. D.*

Client: **USAEC**

Project No. 09890-03

Contractor: Soil tech

Date Started: 11/15/96

**Completed:**

Method: HSA

Casing Size: 6 1/4"

PI Meter: TE 580 B (11.5 eV)

**Ground Elev.:**

Soil Drilled:

**Total Depth:**

Logged by: M. Abenso

Checked by:

**Below Ground:**

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

**Material:**

Page of:

|           | SAMPLE NUMBER | SAMPLE DEPTH<br>CLP/SCREENING | RECOVERY | PID (ppm)     | SOIL/ROCK/DISCHARGE WATER DESCRIPTION   | SOIL CLASS | WELL DATA     |
|-----------|---------------|-------------------------------|----------|---------------|---|------------|---------------|
| DEPT (FT) |               |                               |          |               |   |            |               |
| 25-       |               |                               |          |               |   |            |               |
|           | S-6           | X NA                          | N/A      | 1.4 / 2.0 BKG | DARK brown clayey silts with little sand small AREAS with white possible fracture fills within clay highly plastic, moist, fracture some gravel > 1/2" angular of volcanic origin.<br>PID Background. |            |               |
| 27.5      |               |                               |          |               |   |            |               |
| 30        | S-7           | X NA                          | N/A      | 1.6 / 2.0 BKG | DARK brown fine to medium sand with small amounts of ckg in gravel non-plastic friable moist Alluvium PID = Background.   |            |               |
| 32.5      |               |                               |          |               |   |            |               |
| 35        | S-8           | X NA                          | N/A      | 1.5 / 2.0 BKG | DARK brown clayey silts with sand (fine) and gravel > 1/2 - 1 inch some matrix white fill fractures highly plastic non-friable moist Alluvium PID = background.                                       |            | T.D - 36 feet |
| 37.5      |               |                               |          |               |   |            |               |



# SOIL BORING LOG

Study Area: **AOC 8**  
 Boring No.: **MW-08-01**  
 Protection: **Mod. D**  
 Completed: **11**  
 PI Meter: **TES80B (11.7eV)**  
 Total Depth:  
 Below Ground: **16.5 ft**  
 Page **1** of: **2**

Client: **USAEC** Project No. **989D-03**  
 Contractor: **Soil Tech** Date Started: **11-13-96**  
 Method: **HSA** Casing Size: **6 1/4" ID**  
 Ground Elev.: Soil Drilled:  
 Logged by: **R. Pendleton** Checked by:  
 Screen: **15 (ft.)** Riser: **15 (ft.)** Diam: **2-1/4" (ID)** Material: **Sch. 40 PVC**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY    | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION  | SOIL CLASS | WELL DATA                            |
|------------|---------------|--------------|---------------|-------------|-----------|--|------------|--------------------------------------|
| 1160hrs    | S-1           | X            | N/A           | 14' / 2.0'  | BKG       | Dark brown silt w/ some fine to med. sand, slightly plastic, poorly graded, damp. PID = BKG, Headspace = 0.0 ppm   |            | Ground surface                       |
| 2.5        |               |              |               |             |           |  |            | 2" Sch 40 PVC                        |
| 5.0        | S-2           | X            | N/A           | 1.7' / 2.0' | BKG       | Dark brown silt w/ fine sand lenses, loose, poorly graded, damp. PID = BKG on spoon. Headspace = 0 ppm   |            | Ground Grout                         |
| 7.5        |               |              |               |             |           |  |            |                                      |
| 10.0       | S-3           | X            | N/A           | 1.8' / 2.0' | BKG       | Dark brown silt w/ fine sand lenses, some limestone (angular) fragments, firm, poorly graded, damp. PID = BKG on spoon. Headspace = 0 ppm                    |            | Reht. Pellets                        |
| 12.5       |               |              |               |             |           |  |            |                                      |
| 15.0       | S-4           | X            | N/A           | 1.7' / 2.0' | BKG       | Dark brown fines sand and silt, loose, poorly graded, damp. Fine sand lense, tr. silt from 16.0' - 16.3' bgs. PID = BKG on spoon. Headspace = 0 ppm          |            | 16.5 BGS                             |
| 17.5       |               |              |               |             |           |  |            |                                      |
| 20.0       | S-5           | X            | N/A           | 1.0' / 2.0' | BKG       | Similar to S-4, except coarse sand to med. gravel lense in the bottom 0.2' of the spec. PID = BKG on spoon. Spoon is wet. $\frac{1}{2}$ measured at 17' bgs. |            | #2 W.G. Morie Sand Pack              |
| 22.5       |               |              |               |             |           |  |            |                                      |
| 25.0       | S-6           | X            |               |             |           |  |            | 2" 0.010 SLOP Sch 40 PVC well Screen |

BKG = Background

BGS: Below Ground surface

# SOIL BORING LOG

Study Area: AOC 8

Boring No.: MW-08-01

Protection: Mod. D

Client: **USAEC**

Project No. 7890-03

Contractor: Soil Tech

Date Started: 11-13-96

**Completed:**

Method: **HSA**

Casing Size: **6 1/4" ID**

PI Meter: TE 5808 (127eV)

**Ground Elev.:**

**Soil Drilled:**

**Total Depth:**

Logged by: R. Ponder

**Checked by:**

 Below Ground:

Screen: **15** (ft.)

Riser: 15 (ft.)

Diam: **2-in** (ID)

Material: Sch. 40 PVC

Page 2 of 2

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION   | SOIL CLASS | WELL DATA |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|-----------|
| 25         | S-6           | X            |               | 100%     | BKG       | Dark brown fine silty, interbedded w/ coarse to med. sand and fine gravel lenses, wet. PID = BKG on spoon |            |           |
| 27.5       |               |              |               |          |           |   |            |           |
| 30         | S-7           | X            |               | 0%       | BKG       | No recovery (measureable); some med. gravel in tip of spoon.  |            |           |
| 32.5       |               |              |               |          |           |   |            |           |
| 35.0       |               |              |               |          |           | Monitoring well completed to 30 ft BIs.   |            |           |

# SOIL BORING LOG

Study Area: **AOC 9**

Boring No.: **MW-09-01**

Protection: **Mod. D.**

Client: **USAEC**

Project No. **09890.03**

Contractor: **Soiltech**

Date Started: **11/16/96**

Completed:

Method: **HSA**

Casing Size: **6 1/4"**

PI Meter: **TE580B (11.5 oV)**

Ground Elev.:

Soil Drilled:

Total Depth:

Logged by:

Checked by:

Below Ground:

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

Material:

Page **1** of **2**

**\* Trailer Mounted drill Rig.  
CME 45 B.  
140 lbs Hammer**

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY   | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION  | SOIL CLASS  | WELL DATA           |                          |
|------------|---------------|--------------|---------------|------------|-----------|--|-------------|---------------------|--------------------------|
| 2.5        | S-1           | X            | N/A           | 1.0<br>2.0 | BKG       | DARK brown silty sand (fine to medium grained) with gravel (1/2" to 1") non-plastic, friable, dry, Alluvium                            | 13 13 12 15 | V V V V V V V V V V | 2-INCH SCH 40 PUC        |
| 5          | S-2           | X            | N/A           | 0.3<br>2.0 | BKG       | DARK brown clayey silts highly-plastic, non-friable, moist Alluvium PID Background   | 25 18 16 15 | V V V V V V V V V V | Cement GROUT             |
| 7.5        |               |              |               |            |           |  |             |                     | Bentonite Pellet (seal)  |
| 10         | S-3           | X            | N/A           | 1.8<br>2.0 | BKG       | DARK brown to brown clayey silts high mod. plastic, friable, moist Alluvium. PID Background. Gray material fills fractures (irregular) | 3 5 8 12    | V V V V V V V V V V | #2 W.G. Florie SAND Pack |
| 12.5       |               |              |               |            |           |  |             |                     |                          |
| 15         | S-4           | X            | N/A           | 0.1<br>2.0 | BKG       | DARK brown clayey silts with gravel plastic, non-friable with glass. wet sample. Alluvium. poorly sorted.                              | 12 25 80 -  | V V V V V V V V V V |                          |
| 17.5       |               |              |               |            |           |  |             |                     |                          |
| 20         | S-5           | X            | N/A           |            |           | DARK brown clayey silts with gravel (<1/4") highly-plastic non-friable Alluvium - poorly sorted moist.                                 | 20 8 12 18  | V V V V V V V V V V |                          |
| 22.5       |               |              |               |            |           |  |             |                     |                          |
| 25         | S-6           | X            |               |            |           | See description on page 2  |             |                     | TD=25 ft                 |

**BKG = Background**

ABB Environmental Services, Inc.

# SOIL BORING LOG

Study Area: AOC 9

Boring No.: MW-09-01

Protection: *Mod. D*

Client: **USAEC**

Project No. 09890.03

Contractor: Soil Tech

Date Started: 11/17/96

**Completed:**

Method: *HSA*

Casing Size: 6 1/4"

PI Meter: **TE 580 B (11,500)**

Ground Elev.:

Soil Drilled:

**Total Depth:**

Logged by: M. Alonso

Checked by:

**Below Ground:**

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

**Material:**

Page 2 of: 2

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | CLP/SCREENING | RECOVERY | PID (ppm) | SOIL/ROCK/DISCHARGE WATER DESCRIPTION   | SOIL CLASS | WELL DATA |
|------------|---------------|--------------|---------------|----------|-----------|---|------------|-----------|
| 27.5       | 5-6           | X            | HA            | 18/20    | BKG       | DARK brown fine to medium grained sand with clay silts and gravel (1/4-inch) friable - non plastic Alluvium of volcanic origin<br>PID - Background. | 6.1625-    |           |

BKG = background.

**- ABB Environmental Services, Inc.**

**SOIL VAPOR SURVEY RESULTS AND LABORATORY REPORT**

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**ABB Environmental Services, Inc.**

**BLANK-CORRECTED SOIL VAPOR SURVEY RESULTS**

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**ABB Environmental Services, Inc.**

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

| SITE ID      | MODULE NUMBER | BLANK CORRECTED BTEX, ug | BENZ, ug | BLANK CORRECTED TOL, ug | EtBENZ, ug | BLANK CORRECTED mpXYL, ug | oXYL, ug | BLANK CORRECTED C11,C13&C15, ug |
|--------------|---------------|--------------------------|----------|-------------------------|------------|---------------------------|----------|---------------------------------|
|              | MDL =         | 0.02                     | 0.03     | 0.03                    | 0.02       | 0.02                      | 0.03     | 0.02                            |
| SV-08-01     | 129536        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-08-02     | 129537        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-01     | 129518        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-02     | 129519        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-03     | 129520        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-04     | 129521        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-05     | 129522        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-M9-06     | 129523        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-WW-01     | 129524        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-WW-02     | 129525        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-WW-03     | 129526        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PC-01     | 129527        | 1.64                     | 0.00     | 0.62                    | 0.00       | 0.00                      | 0.00     | 0.03                            |
| SV-PC-02     | 129528        | 1.12                     | 0.00     | 0.55                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PC-03     | 129529        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PC-04     | 129530        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PC-05     | 129531        | 0.00                     | 0.00     | 0.00                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PH-02     | 129533        | 0.11                     | 0.00     | 0.05                    | 0.00       | 0.00                      | 0.00     | 0.00                            |
| SV-PH-03     | 129534        | 0.65                     | 0.15     | 0.21                    | 0.00       | 0.03                      | 0.00     | 0.03                            |
| SV-PH-04     | 129535        | 1.32                     | 0.00     | 0.66                    | 0.00       | 0.00                      | 0.00     | 0.13                            |
| Trip Blank 1 | 129538        | 0.23                     | 0.00     | 0.23                    | 0.00       | 0.00                      | 0.00     | 0.08                            |
| Trip Blank 2 | 129539        | 0.14                     | 0.00     | 0.14                    | 0.00       | 0.00                      | 0.00     | 0.03                            |
| Method Blank |               | 0.03                     | 0.00     | 0.03                    | 0.00       | 0.03                      | 0.00     | 0.00                            |

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

| SITE ID      | MODULE NUMBER | BLANK CORRECTED UNDEC, ug | TRIDEC, ug | PENTADEC, ug | NAPH&2-MN, ug | NAPH, ug | 2MeNAPH, ug | TMBs, ug |
|--------------|---------------|---------------------------|------------|--------------|---------------|----------|-------------|----------|
|              | MDL =         | 0.04                      | 0.02       | 0.03         | 0.03          | 0.03     | 0.03        | 0.02     |
| SV-08-01     | 128536        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-08-02     | 128537        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-01     | 128518        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-02     | 128519        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-03     | 128520        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-04     | 128521        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-05     | 128522        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-M9-06     | 128523        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-WW-01     | 128524        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-WW-02     | 128525        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-WW-03     | 128526        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PC-01     | 128527        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PC-02     | 128528        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PC-03     | 128529        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PC-04     | 128530        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PC-05     | 128531        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PH-02     | 128533        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PH-03     | 128534        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| SV-PH-04     | 128535        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| Trip Blank 1 | 128538        | 0.08                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| Trip Blank 2 | 128539        | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |
| Method Blank |               | 0.00                      | 0.00       | 0.00         | 0.00          | 0.00     | 0.00        | 0.00     |



TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

| SITE ID      | MODULE NUMBER | 135TMB, ug | 124TMB, ug | t12DCE, ug | 11DCA, ug | c12DCE, ug | CHCl3, ug | PCE, ug | 111TCA, ug | 12DCA, ug |
|--------------|---------------|------------|------------|------------|-----------|------------|-----------|---------|------------|-----------|
|              | MDL =         | 0.02       | 0.02       | 0.05       | 0.01      | 0.02       | 0.01      | 0.03    | 0.02       | 0.02      |
| SV-08-01     | 129536        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-08-02     | 129537        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-M9-01     | 129518        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-M9-02     | 129519        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.22      | 0.00    | 0.00       | 0.00      |
| SV-M9-03     | 129520        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.18      | 0.00    | 0.00       | 0.00      |
| SV-M9-04     | 129521        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.33    | 0.00       | 0.00      |
| SV-M9-05     | 129522        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-M9-06     | 129523        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-WW-01     | 129524        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-WW-02     | 129525        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.07      | 0.00    | 0.00       | 0.00      |
| SV-WW-03     | 129526        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.14      | 0.00    | 0.00       | 0.00      |
| SV-PC-01     | 129527        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PC-02     | 129528        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PC-03     | 129529        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PC-04     | 129530        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PC-05     | 129531        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.26      | 0.00    | 0.00       | 0.00      |
| SV-PH-02     | 129533        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PH-03     | 129534        | 0.02       | 0.05       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| SV-PH-04     | 129535        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| Trip Blank 1 | 129538        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| Trip Blank 2 | 129539        | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |
| Method Blank |               | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      |

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

| SITE ID      | MODULE NUMBER | MTBE, ug | CCl4, ug | TCE, ug | OCT, ug | CIBENZ, ug | 14DCB, ug | Acenaphthylene, ug | Acenaphthene, ug |
|--------------|---------------|----------|----------|---------|---------|------------|-----------|--------------------|------------------|
|              | MDL =         | 0.16     | 0.04     | 0.02    | 0.02    | 0.02       | 0.02      | 0.05               | 0.04             |
| SV-08-01     | 129536        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-08-02     | 129537        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-01     | 129518        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-02     | 129519        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-03     | 129520        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-04     | 129521        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-05     | 129522        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-M9-06     | 129523        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-WW-01     | 129524        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-WW-02     | 129525        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-WW-03     | 129526        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PC-01     | 129527        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PC-02     | 129528        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PC-03     | 129529        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PC-04     | 129530        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PC-05     | 129531        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PH-02     | 129533        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PH-03     | 129534        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| SV-PH-04     | 129535        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| Trip Blank 1 | 129538        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| Trip Blank 2 | 129539        | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |
| Method Blank |               | 0.00     | 0.00     | 0.00    | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             |

TABLE C-1  
SOIL VAPOR SCREENING SURVEY  
BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO

| SITE ID      | MODULE NUMBER | Fluorene, ug | PHEN, ug | Anthracene, ug | Fluoranthene, ug | Pyrene, ug | BLANK CORRECTED Petroleum Hydrocarbons, ug |
|--------------|---------------|--------------|----------|----------------|------------------|------------|--|
|              | MDL =         | 0.07         | 0.04     | 0.10           | 0.17             | 0.24       |  |
| SV-08-01     | 129536        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-08-02     | 129537        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-01     | 129518        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-02     | 129519        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-03     | 129520        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-04     | 129521        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-05     | 129522        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-M9-06     | 129523        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-WW-01     | 129524        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-WW-02     | 129525        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-WW-03     | 129526        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PC-01     | 129527        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 12.67                                      |
| SV-PC-02     | 129528        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PC-03     | 129529        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PC-04     | 129530        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PC-05     | 129531        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PH-02     | 129533        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.00                                       |
| SV-PH-03     | 129534        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 33.26                                      |
| SV-PH-04     | 129535        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 3.53                                       |
| Trip Blank 1 | 129538        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 4.52                                       |
| Trip Blank 2 | 129539        | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.82                                       |
| Method Blank |               | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.20                                       |

Notes:

- 1) Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.
- 2) Blank-corrected data was calculated by subtracting the maximum value of the analyte detected in the blanks (Trip and Method blanks) from the raw value (presented in the laboratory report).
- 3) Shaded cells indicate positive analyte concentrations.  
MDL = Method Detection Limit

**SOIL VAPOR SURVEY LABORATORY REPORT**

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**ABB Environmental Services, Inc.**



# W. L. GORE & ASSOCIATES, INC.

101 LEWISVILLE ROAD • P.O. BOX 1100 • ELKTON, MARYLAND 21922-1100 PHONE: 410/392-3300  
FAX: 410/996-3325 • TELEX 467637 GORE FB ELKT  
ENVIRONMENTAL PRODUCTS GROUP

1 of 5

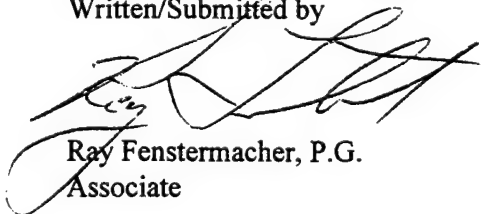
## GORE-SORBER<sup>SM</sup> Screening Survey Final Report

National Guard Base  
Puerto Rico

December 20, 1996

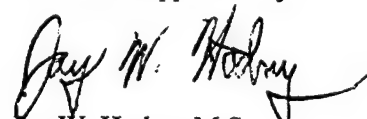
Prepared For:  
ABB Environmental Services  
110 Free Street  
Portland, ME 04112-7050

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Jay W. Hodny, M.S.  
Associate

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**GORE-SORBER™ Screening Survey  
Final Report**

**REPORT DATE:** December 20, 1996

**AUTHOR:** RFF

**SITE INFORMATION**

**Site Reference:** National Guard Base, Puerto Rico

**Customer Purchase Order Number:** NE646437G

**Gore Production Order Number:** 070694

**Gore Site Code:** VN

**FIELD PROCEDURES**

**# Modules shipped:** 22

**Installation Date(s):** November 16 - 17, 1996

**# Modules Installed:** 20

**Field work performed by:** ABB Environmental Services

**Retrieval date(s):** December 3, 1996

**Exposure Time:** 16-17 [days]

**# Modules Retrieved:** 19

**# Trip Blanks Returned:** 2

**# Modules Lost in Field:** 1

**# Unused Modules Returned:** -0-

**Date/Time Received by Gore:** December 4, 1996 @ 12:30 pm    **By:** CJF

**Recorded Cooler/Water Temperature Control Blank temperature:** 6.2 [°C]

**Chain of Custody Form attached:**    ✓

**Chain of Custody discrepancies:** Trip blanks were not designated on the first page of the chain of custody.

**Comments:** Temperature of the water control blank slightly exceeded the generally accepted criteria for preservation of environmental samples,  $4.0 \pm 2.0$  °C.

**GORE-SORBER<sup>sm</sup> Screening Survey  
Final Report**

**ANALYTICAL PROCEDURES**

W.L. Gore & Associates' Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990. The Laboratory is audited regularly by a quality system design, development and auditing company.

Instrumentation consists of Hewlett-Packard 5890 gas chromatographs and 5971 mass selective detectors, as well as Perkin-Elmer ATD 400 automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbents, each containing 40mg of a suitable granular adsorbent) to a thermal desorption tube for analysis. Sorbents remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

**Screening Method Quality Assurance:**

Before each run sequence, two instrument blanks, a sorber containing 5µg BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in our methods before samples can be analyzed. A sorber containing BFB is also analyzed after every 30 samples and/or trip blanks, as is a method blank. Standards containing the selected target compounds at three calibration levels of 5, 20, and 50µg are analyzed at the beginning of each run. The criterion for each target compound is less than 35% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of 20µg per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by the presence of the target ion and at least two secondary ions, retention time versus reference standard, and the analyst's judgment.

**NOTE:** All data have been archived. Any replicate sorbents not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

**Laboratory analysis:** thermal desorption, gas chromatography, mass selective detection  
**Quality Assurance Level:** 2 (ANA-4/A1)

**Instrument ID:** # 2

**Chemist:** JW

**Data Subdirectory:** 070694

**Compounds/mixtures requested:** Expanded VOC/SVOC Target Compound List (A4)

**Deviations from Standard Method:** None

**Comments:** Soil vapor analytes and abbreviations are tabulated in the Data Table Key (page 5).

**GORE-SORBER™ Screening Survey  
Final Report**

**DATA TABULATION**

**# CONTOUR MAPS ENCLOSED:** No maps were prepared with this data.

**NOTE:** All data values presented in Appendix A represent masses of compound(s) desorbed from the GORE-SORBER Screening Modules received and analyzed by W.L. Gore, as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on either a single-level (QA Level 1) or three-level (QA Level 2) standard calibration.

**Comments:**

- None

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# **GORE-SORBER<sup>sm</sup> Screening Survey** **Final Report**

## **KEY TO DATA TABLE** **National Guard Base, Puerto Rico**

**UNITS**

μg

micrograms (per sorber), reported for compounds for which we  
run external standards.

MDL

method detection limit

**ANALYTES**

BTEx

combined masses of benzene, toluene, ethylbenzene and total xylenes  
(Gasoline Range Aromatics)

BENZ

benzene

TOL

toluene

EtBENZ

ethylbenzene

mpXYL

m-, p-xylene

oXYL

o-xylene

C11,C13&amp;C15

combined masses of undecane, tridecane, and pentadecane (C11+C13+C15)  
(Diesel Range Alkanes)

UNDEC

undecane

TRIDEC

tridecane

PENTADEC

pentadecane

NAPH&amp;2MN

combined masses of naphthalene and 2-methyl naphthalene

NAPH

naphthalene

2MeNAPH

2-methyl naphthalene

TMBs

combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene

135TMB

1,3,5-trimethylbenzene

124TMB

1,2,4-trimethylbenzene

t12DCE

trans-1,2-dichloroethene

11DCA

1,1-dichloroethane

c12DCE

cis-1,2-dichloroethene

CHCl<sub>3</sub>

chloroform

PCE

tetrachloroethene

111TCA

1,1,1-trichloroethane

12DCA

1,2-dichloroethane

MTBE

methyl t-butyl ether

CCl<sub>4</sub>

carbon tetrachloride

TCE

trichloroethylene

OCT

octane

ClBENZ

chlorobenzene

14DCB

1,4-dichlorobenzene

PHEN

phenanthrene

**BLANKS**

TBn

unexposed trip blanks, which traveled with the exposed modules

method blank

method blank, retained at Gore

## **APPENDIX A:**

- 1. CHAIN OF CUSTODY**
- 2. DATA TABLE**

# GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only

Production Order #

70694



W. L. Gore & Associates, Inc., Environmental Products Group

101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must complete ALL shaded cells

|   |   |  |  |
|---|---|--|--|
| Customer Name: <u>ABB ENVIRONMENTAL SERVICES</u>                        |   | Site Name: <u>NATIONAL GUARD BASE</u>  |  |
| Address: <u>110 FREE ST</u>   |   | Site Address: <u>PUERTO RICO</u>   |  |
| <u>PORTLAND ME 04112-7050</u>   |   |  |  |
| <u>(ROD PENDLETON)</u>  |   | Project Manager: <u>JUAN CRUZ</u>  |  |
| Phone: <u>207 775 5400</u>  |   | Customer Project No.: _____  |  |
| FAX: <u>207 772 4762</u>  |   | Customer P.O. #: <u>NE 6464376</u> Quote #: <u>BK 6846</u>                                 |  |
| Serial # of Modules Shipped   |   | # of Modules for Installation <u>20</u> # of Trip Blanks <u>2</u>                          |  |
| # <u>129518</u> through # <u>129539</u>                                 | Total Modules Shipped: <u>22</u> Pieces   |  |  |
| # through #   | Total Modules Received: <u>22</u> Pieces  |  |  |
| # through #   | Total Modules Installed: <u>20</u> Pieces |  |  |
| # through #   | Serial # of Trip Blanks (Client Decides)  |  | #  |
| # through #   | #   | #  | #  |
| # through #   | #   | #  | #  |
| # through #   | #   | #  | #  |
| Installation Performed By:  |   | Installation Method(s) (circle those that apply):  |  |
| Name (please print): <u>Scott Donelick</u>                              |   | Slide Hammer Hammer Drill Auger  |  |
| Company/Affiliation: <u>ABB ES</u>                                      |   | Other: <u>Geoprobe push hole</u>   |  |
| Installation Start Date and Time: <u>11-16-96</u> 1 1425 AM/PM          |   |  |  |
| Installation Complete Date and Time: <u>11-17-96</u> 1 11:48 AM/PM      |   |  |  |
| Retrieval Performed By:   |   | Total Modules Retrieved: <u>19</u> Pieces  |  |
| Name (please print): <u>Scott Donelick</u>                              |   | Total Modules Lost in Field: <u>1</u> Pieces   |  |
| Company/Affiliation: <u>ABB-ES</u>                                      |   | Total Unused Modules Returned: <u>2</u> Pieces   |  |
| Retrieval Start Date and Time: <u>12-13-96</u> 7:54 AM/PM               |   |  |  |
| Retrieval Complete Date and Time: <u>12-13-96</u> 9:10 AM/PM            |   |  |  |
| Target Analytes to be Mapped<br>(Check Options or List as appropriate): |   | To Be Determined Pending Completion of Lab Analysis [ ]<br>or write "None", if applicable. |  |
| Analyte #1:   | Analyte #2:                               | Analyte #3:  |  |
| Other Instructions, if any:   |   |  |  |
| Relinquished By: <u>C.J. Fendler</u>                                    | Date: <u>11/5/96</u>                      | Time: <u>15:00</u>   | Received By: <u>W.L. Gore</u>                        |
| Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u>                    |   |  | Affiliation: <u>ABB-ES</u>                           |
| Relinquished By: <u>Scott Donelick</u>                                  | Date: <u>12-3-96</u>                      | Time: <u>1600</u>  | Received By: _____                                   |
| Affiliation: <u>ABB ES</u>  |   |  | Affiliation: _____                                   |
| Relinquished By: _____  | Date: _____                               | Time: _____  | Received By: <u>C.J. Fendler</u>                     |
| Affiliation: _____  |   |  | Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u> |
| Temperature of Samples When Received By Gore                            |   |  | <u>6.2</u> °C  |

WTC 3

**GORE-SORBER® Screening Survey**  
**Installation and Retrieval Log**

**SITE NAME & LOCATION**  
**FORT ALLEN, PUERTO RICO**

Page 1 of 1

| LINE # | MODULE # | INSTALLATION DATE/TIME | RETRIEVAL DATE/TIME | EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate) |      |      | MODULE IN WATER (check one) |    | COMMENTS         |
|--------|----------|------------------------|---------------------|--|------|------|-----------------------------|----|------------------|
|        |          |                        |                     | LPH  | ODOR | NONE | YES                         | NO |                  |
| 1.     | 129518 ✓ | 11-16-96/1425          | 12-3-96/0858        |  |      | ✓    |                             | ✓  | SV-M9-01 (0 ppm) |
| 2.     | 129519 ✓ | 11-16-96/1434          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-02 (0 ppm) |
| 3.     | 129520 ✓ | 11-16-96/1437          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-03 (0 ppm) |
| 4.     | 129521 ✓ | 11-16-96/1456          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-04 (0 ppm) |
| 5.     | 129522 ✓ | 11-16-96/1555          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-05 (0 ppm) |
| 6.     | 129523 ✓ | 11-16-96/1515          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-06 (0 ppm) |
| 7.     | 129524 ✓ | 11-16-96/0941          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-07 (0 ppm) |
| 8.     | 129525 ✓ | 11-17-96/0922          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-08 (0 ppm) |
| 9.     | 129526 ✓ | 11-17-96/0931          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-09 (0 ppm) |
| 10.    | 129527 ✓ | 11-17-96/1002          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-10 (0 ppm) |
| 11.    | 129528 ✓ | 11-17-96/1055          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-11 (0 ppm) |
| 12.    | 129529 ✓ | 11-17-96/1047          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-12 (0 ppm) |
| 13.    | 129530 ✓ | 11-17-96/1040          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-13 (0 ppm) |
| 14.    | 129531 ✓ | 11-17-96/0952          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-14 (0 ppm) |
| 15. NH | 129532 ✓ | 11-17-96/1131          | NOT LOCATED         |  |      | ✓    |                             | ✓  | SV-M9-15 (0 ppm) |
| 16.    | 129533 ✓ | 11-17-96/1136          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-16 (0 ppm) |
| 17.    | 129534 ✓ | 11-17-96/1142          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-17 (0 ppm) |
| 18.    | 129535 ✓ | 11-17-96/1148          | 12-3-96/0859        |  |      | ✓    |                             | ✓  | SV-M9-18 (0 ppm) |
| 19.    | 129536 ✓ | 11-17-96/1118          | 12-3-96/0859        |  |      | ✓    | ✓                           |    | SV-M9-19 (0 ppm) |
| 20.    | 129537 ✓ | 11-17-96/1107          | 12-3-96/0859        |  |      | ✓    | ✓                           |    | SV-M9-20 (0 ppm) |
| 21.    |          |                        |                     |  |      |      |                             |    |                  |
| 22.    |          |                        |                     |  |      |      |                             |    |                  |
| 23.    |          |                        |                     |  |      |      |                             |    |                  |
| 24.    |          |                        |                     |  |      |      |                             |    |                  |
| 25.    |          |                        |                     |  |      |      |                             |    |                  |
| 26.    |          |                        |                     |  |      |      |                             |    |                  |
| 27.    |          |                        |                     |  |      |      |                             |    |                  |
| 28.    |          |                        |                     |  |      |      |                             |    |                  |
| 29.    |          |                        |                     |  |      |      |                             |    |                  |
| 30.    |          |                        |                     |  |      |      |                             |    |                  |
| 31.    |          |                        |                     |  |      |      |                             |    |                  |
| 32.    |          |                        |                     |  |      |      |                             |    |                  |
| 33.    |          |                        |                     |  |      |      |                             |    |                  |
| 34.    |          |                        |                     |  |      |      |                             |    |                  |
| 35.    |          |                        |                     |  |      |      |                             |    |                  |
| 36.    |          |                        |                     |  |      |      |                             |    |                  |
| 37.    |          |                        |                     |  |      |      |                             |    |                  |
| 38.    |          |                        |                     |  |      |      |                             |    |                  |
| 39.    |          |                        |                     |  |      |      |                             |    |                  |
| 40.    |          |                        |                     |  |      |      |                             |    |                  |
| 41.    |          |                        |                     |  |      |      |                             |    |                  |
| 42.    |          |                        |                     |  |      |      |                             |    |                  |

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070694

| MODULE NUMBER | DATE ANALYZED | BTEX, ug | BENZ, ug | TOL, ug | EtBENZ, ug | mpXYL, ug | oXYL, ug | C11,C13&C15, ug | UNDEC, ug | TRIDEC, ug | PENTADEC, ug | NAPH&2-MN, ug | NAPH, ug |
|---------------|---------------|----------|----------|---------|------------|-----------|----------|-----------------|-----------|------------|--------------|---------------|----------|
| MDL =         |               | 0.02     | 0.03     | 0.03    | 0.02       | 0.02      | 0.03     | 0.02            | 0.04      | 0.02       | 0.03         | 0.03          | 0.03     |
| 129518        | 12/09/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129519        | 12/09/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129520        | 12/09/96      | 0.07     | 0.00     | 0.07    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129521        | 12/09/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129522        | 12/09/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129523        | 12/09/96      | 0.13     | 0.00     | 0.13    | 0.00       | 0.00      | 0.00     | 0.05            | 0.05      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129524        | 12/09/96      | 0.14     | 0.00     | 0.14    | 0.00       | 0.00      | 0.00     | 0.05            | 0.05      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129525        | 12/09/96      | 0.07     | 0.00     | 0.07    | 0.00       | 0.00      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129526        | 12/09/96      | 0.06     | 0.00     | 0.06    | 0.00       | 0.00      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129527        | 12/09/96      | 1.05     | 0.00     | 1.05    | 0.00       | 0.00      | 0.00     | 0.11            | 0.06      | 0.04       | 0.00         | 0.00          | 0.00     |
| 129528        | 12/10/96      | 0.80     | 0.00     | 0.78    | 0.00       | 0.03      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129529        | 12/10/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.01            | 0.01      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129530        | 12/10/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129531        | 12/10/96      | 0.00     | 0.00     | 0.00    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129533        | 12/10/96      | 0.28     | 0.00     | 0.28    | 0.00       | 0.00      | 0.00     | 0.03            | 0.03      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129534        | 12/10/96      | 0.64     | 0.15     | 0.44    | 0.00       | 0.06      | 0.00     | 0.90            | 0.12      | 0.27       | 0.51         | 0.00          | 0.00     |
| 129535        | 12/10/96      | 0.89     | 0.00     | 0.89    | 0.00       | 0.00      | 0.00     | 0.21            | 0.06      | 0.06       | 0.10         | 0.00          | 0.00     |
| 129536        | 12/10/96      | 0.15     | 0.00     | 0.12    | 0.00       | 0.03      | 0.00     | 0.05            | 0.05      | 0.00       | 0.00         | 0.00          | 0.00     |
| 129537        | 12/10/96      | 0.06     | 0.00     | 0.06    | 0.00       | 0.00      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |
| MAX. DETECTED |               | 1.05     | 0.15     | 1.05    | 0.00       | 0.06      | 0.00     | 0.90            | 0.12      | 0.27       | 0.51         | 0.00          | 0.00     |
| TB1 - 129538  | 12/09/96      | 0.23     | 0.00     | 0.23    | 0.00       | 0.00      | 0.00     | 0.08            | 0.08      | 0.00       | 0.00         | 0.00          | 0.00     |
| TB2 - 129539  | 12/10/96      | 0.14     | 0.00     | 0.14    | 0.00       | 0.00      | 0.00     | 0.03            | 0.03      | 0.00       | 0.00         | 0.00          | 0.00     |
| method blank  | 12/09/96      | 0.06     | 0.00     | 0.03    | 0.00       | 0.03      | 0.00     | 0.00            | 0.00      | 0.00       | 0.00         | 0.00          | 0.00     |

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.  
 12/20/96

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070684

| MODULE       | 2MeNAPH, ug | TMBs, ug | 135TMB, ug | 124TMB, ug | t12DCE, ug | 11DCA, ug | c12DCE, ug | CHCl3, ug | PCE, ug | 111TCA, ug | 12DCA, ug | MTBE, ug | CCl4, ug | TCE, ug |
|--------------|-------------|----------|------------|------------|------------|-----------|------------|-----------|---------|------------|-----------|----------|----------|---------|
| NUMBER       | 0.03        | 0.02     | 0.02       | 0.02       | 0.05       | 0.01      | 0.02       | 0.01      | 0.03    | 0.02       | 0.02      | 0.16     | 0.04     | 0.02    |
| MDL =        | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129518       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129519       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129520       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129521       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129522       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129523       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129524       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129525       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129526       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129527       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129528       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129529       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129530       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129531       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129533       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129534       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129535       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129536       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| 129537       | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| MAX. DETECTE | 0.00        | 0.06     | 0.02       | 0.05       | 0.00       | 0.00      | 0.00       | 0.26      | 0.33    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| TB1 - 129538 | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| TB2 - 129539 | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |
| method blank | 0.00        | 0.00     | 0.00       | 0.00       | 0.00       | 0.00      | 0.00       | 0.00      | 0.00    | 0.00       | 0.00      | 0.00     | 0.00     | 0.00    |

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.  
 12/20/96

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS  
 ABB ENVIRONMENTAL SERVICES, PORTLAND, ME  
 GORE EXPANDED TARGET VOCs/SVOCs (A4)  
 NATIONAL GUARD BASE, PUERTO RICO  
 PRODUCTION ORDER #070694

| MODULE<br>NUMBER | OCT, ug | CIBENZ, ug | 14DCB, ug | Acenaphthylene, ug | Acenaphthene, ug | Fluorene, ug | PHEN, ug | Anthracene, ug | Fluoranthene, ug | Pyrene, ug | Petroleum<br>Hydrocarbons, ug |
|------------------|---------|------------|-----------|--------------------|------------------|--------------|----------|----------------|------------------|------------|-------------------------------|
| MDL =            | 0.02    | 0.02       | 0.02      | 0.05               | 0.04             | 0.07         | 0.04     | 0.10           | 0.17             | 0.24       |                               |
| 129518           | 0.00    | 0.00       | 0.00      | 0.00               | 0.02             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.48                          |
| 129519           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.95                          |
| 129520           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.04                          |
| 129521           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.44                          |
| 129522           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.08                          |
| 129524           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 2.40                          |
| 129525           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 2.51                          |
| 129526           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.97                          |
| 129527           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.87                          |
| 129528           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 17.19                         |
| 129529           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.09                          |
| 129530           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.20                          |
| 129531           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.90                          |
| 129533           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.81                          |
| 129534           | 0.17    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 2.70                          |
| 129535           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 37.78                         |
| 129536           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 8.05                          |
| 129537           | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 2.40                          |
|                  |         |            |           |                    |                  |              |          |                |                  |            | 1.07                          |
| MAX. DETECTE     | 0.17    | 0.00       | 0.00      | 0.00               | 0.02             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 37.78                         |
| TB1 - 129538     | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 4.52                          |
| TB2 - 129539     | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 1.82                          |
| method blank     | 0.00    | 0.00       | 0.00      | 0.00               | 0.00             | 0.00         | 0.00     | 0.00           | 0.00             | 0.00       | 0.20                          |

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.  
 12/20/96



# GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only

Production Order #

70694



W. L. Gore & Associates, Inc., Environmental Products Group

101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must complete ALL shaded cells

|  |   |   |  |
|--|---|---|--|
| Customer Name: <u>ABB ENVIRONMENTAL SERVICES</u>                   |   | Site Name: <u>NATIONAL GUARD BASE</u>                             |  |
| Address: <u>110 FREE ST</u>  |   | Site Address: <u>PUERTO RICO</u>                                  |  |
| <u>PORTLAND ME 04112-7050</u>                                      |   |   |  |
| <u>(ROD PENDLETON)</u>   |   | Project Manager: <u>JUAN CRUZ</u>                                 |  |
| Phone: <u>207 775 5400</u>   |   | Customer Project No.: _____                                       |  |
| FAX: <u>207 772 4762</u>   |   | Customer P.O. #: <u>NE 6464376</u> Quote #: <u>BK 6846</u>        |  |
| Serial # of Modules Shipped  |   | # of Modules for Installation <u>20</u> # of Trip Blanks <u>2</u> |  |
| # <u>129518</u> through # <u>129539</u>                            | Total Modules Shipped: <u>22</u> Pieces   |   |  |
| # through #  | Total Modules Received: <u>22</u> Pieces  |   |  |
| # through #  | Total Modules Installed: <u>20</u> Pieces |   |  |
| # through #  | Serial # of Trip Blanks (Client Decides)  |   | #  |
| # through #  | #   | #   | #  |
| # through #  | #   | #   | #  |
| # through #  | #   | #   | #  |
| Installation Performed By:   |   | Installation Method(s) (circle those that apply):                 |  |
| Name (please print): <u>Scott Donelick</u>                         |   | Slide Hammer Hammer Drill Auger                                   |  |
| Company/Affiliation: <u>ABB ES</u>                                 |   | Other: <u>Geoprobe push hole</u>                                  |  |
| Installation Start Date and Time: <u>11-16-96</u> 1 1425: AM/PM    |   |   |  |
| Installation Complete Date and Time: <u>11-17-96</u> 1 11:48 AM/PM |   |   |  |
| Retrieval Performed By:  |   | Total Modules Retrieved: <u>19</u> Pieces                         |  |
| Name (please print): <u>Scott Donelick</u>                         |   | Total Modules Lost in Field: <u>1</u> Pieces                      |  |
| Company/Affiliation: <u>ABB-ES</u>                                 |   | Total Unused Modules Returned: <u>2</u> Pieces                    |  |
| Retrieval Start Date and Time: <u>12-13-96</u> 7:54 AM/PM          |   |   |  |
| Retrieval Complete Date and Time: <u>12-13-96</u> 9:10 AM/PM       |   |   |  |
| Target Analytes to be Mapped                                       |   | To Be Determined Pending Completion of Lab Analysis [ ]           |  |
| (Check Options or List as appropriate):                            |   | or write "None", if applicable.                                   |  |
| Analyte #1:  | Analyte #2:                               | Analyte #3:   |  |
| Other Instructions, if any:  |   |   |  |
| Relinquished By <u>CJ Fendler</u>                                  | Date <u>11/5/96</u>                       | Time <u>15:00</u>   | Received By: <u>Scott Donelick</u>                   |
| Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u>               |   |   | Affiliation: <u>ABB-ES</u>                           |
| Relinquished By <u>Scott Donelick</u>                              | Date <u>12-3-96</u>                       | Time <u>16:00</u>   | Received By: _____                                   |
| Affiliation: <u>ABB ES</u>   |   |   | Affiliation: _____                                   |
| Relinquished By _____  | Date _____                                | Time _____  | Received By: <u>CJ Fendler</u>                       |
| Affiliation _____  |   |   | Affiliation: <u>W.L. Gore &amp; Associates, Inc.</u> |
| Temperature of Samples When Received By Gore                       |   |   | <u>6.2</u> °C  |

WTC 3



# **GORE-SORBER® Screening Survey** **Installation and Retrieval Log**

## **SITE NAME & LOCATION**

FORT ALLEN, PUERTO RICO

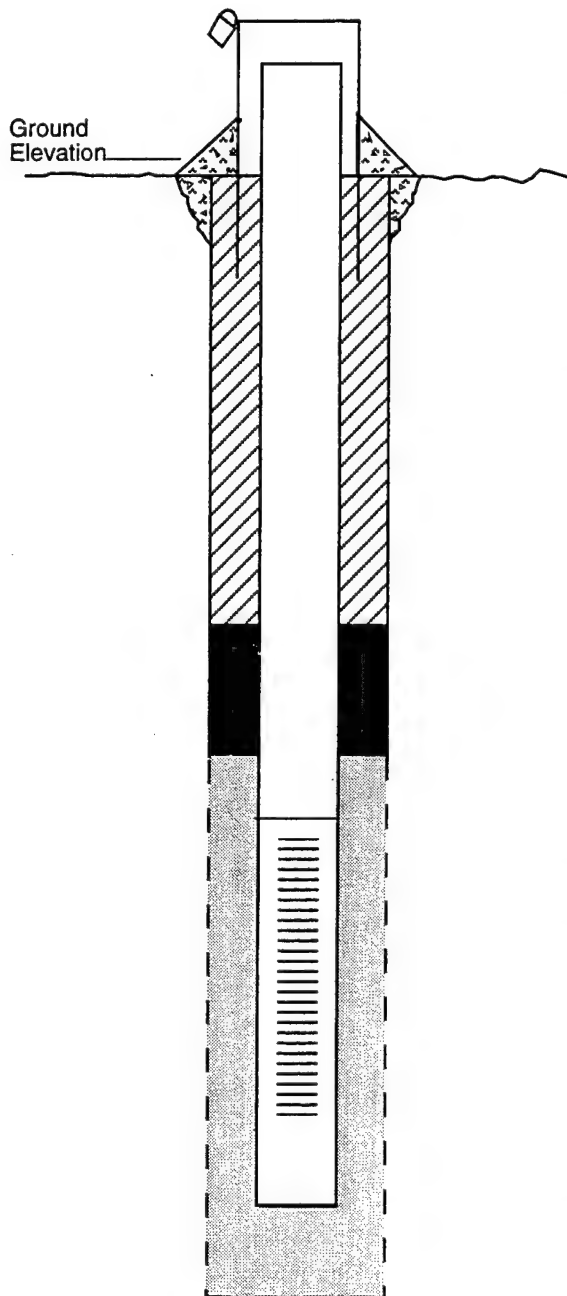
Page 1 of 1

| LINE # | MODULE # | INSTALLATION DATE/TIME | RETRIEVAL DATE/TIME | EVIDENCE OF LIQUID HYDROCARBONS (LPH) OR HYDROCARBON ODOR (Check as appropriate) |      |      | MODULE IN WATER (check one) |    | COMMENTS         |
|--------|----------|------------------------|---------------------|--|------|------|-----------------------------|----|------------------|
|        |          |                        |                     | LPH  | ODOR | NONE | YES                         | NO |                  |
| 1.     | 129518 ✓ | 11-16-96 / 1425        | 12-3-96 / 0858      |  |      | ✓    |                             | ✓  | SV-M9-01 (0 ppm) |
| 2.     | 129519 ✓ | 11-16-96 / 1434        | 1 / 0901            |  |      | ✓    |                             | ✓  | SV-M9-02 (0 ppm) |
| 3.     | 129520 ✓ | 11-16-96 / 1439        | 1 / 0903            |  |      | ✓    |                             | ✓  | SV-M9-03 (0 ppm) |
| 4.     | 129521 ✓ | 11-16-96 / 1456        | 1 / 0907            |  |      | ✓    |                             | ✓  | SV-M9-04 (0 ppm) |
| 5.     | 129522 ✓ | 11-16-96 / 1505        | 1 / 0910            |  |      | ✓    |                             | ✓  | SV-M9-05 (0 ppm) |
| 6.     | 129523 ✓ | 11-16-96 / 1515        | 1 / 0910            |  |      | ✓    |                             | ✓  | SV-M9-06 (0 ppm) |
| 7.     | 129524 ✓ | 11-17-96 / 0941        | 1 / 0810            |  |      | ✓    |                             | ✓  | SV-M9-07 (0 ppm) |
| 8.     | 129525 ✓ | 11-17-96 / 0922        | 1 / 0808            |  |      | ✓    |                             | ✓  | SV-M9-08 (0 ppm) |
| 9.     | 129526 ✓ | 11-17-96 / 0931        | 1 / 0807            |  |      | ✓    |                             | ✓  | SV-M9-09 (0 ppm) |
| 10.    | 129527 ✓ | 11-17-96 / 1002        | 1 / 0830            |  |      | ✓    |                             | ✓  | SV-M9-10 (0 ppm) |
| 11.    | 129528 ✓ | 11-17-96 / 1055        | 1 / 0831            |  |      | ✓    |                             | ✓  | SV-M9-11 (0 ppm) |
| 12.    | 129529 ✓ | 11-17-96 / 1047        | 1 / 0833            |  |      | ✓    |                             | ✓  | SV-M9-12 (0 ppm) |
| 13.    | 129530 ✓ | 11-17-96 / 1040        | 1 / 0836            |  |      | ✓    |                             | ✓  | SV-M9-13 (0 ppm) |
| 14.    | 129531 ✓ | 11-17-96 / 0952        | 1 / 0836            |  |      | ✓    |                             | ✓  | SV-M9-14 (0 ppm) |
| 15. NH | 129532 ✓ | 11-17-96 / 1131        | NOT LOCATED         |  |      | ✓    |                             | ✓  | SV-M9-15 (0 ppm) |
| 16.    | 129533 ✓ | 11-17-96 / 1136        | 1 / 0843            |  |      | ✓    |                             | ✓  | SV-M9-16 (0 ppm) |
| 17.    | 129534 ✓ | 11-17-96 / 1142        | 1 / 0824            |  |      | ✓    |                             | ✓  | SV-M9-17 (0 ppm) |
| 18.    | 129535 ✓ | 11-17-96 / 1148        | 1 / 0825            |  |      | ✓    |                             | ✓  | SV-M9-18 (0 ppm) |
| 19.    | 129536 ✓ | 11-17-96 / 1118        | 1 / 0754            |  |      | ✓    | ✓                           | ✓  | SV-M9-19 (0 ppm) |
| 20.    | 129537 ✓ | 11-17-96 / 1107        | 1 / 0756            |  |      | ✓    | ✓                           | ✓  | SV-M9-20 (0 ppm) |
| 21.    |          |                        |                     |  |      |      |                             |    |                  |
| 22.    |          |                        |                     |  |      |      |                             |    |                  |
| 23.    |          |                        |                     |  |      |      |                             |    |                  |
| 24.    |          |                        |                     |  |      |      |                             |    |                  |
| 25.    |          |                        |                     |  |      |      |                             |    |                  |
| 26.    |          |                        |                     |  |      |      |                             |    |                  |
| 27.    |          |                        |                     |  |      |      |                             |    |                  |
| 28.    |          |                        |                     |  |      |      |                             |    |                  |
| 29.    |          |                        |                     |  |      |      |                             |    |                  |
| 30.    |          |                        |                     |  |      |      |                             |    |                  |
| 31.    |          |                        |                     |  |      |      |                             |    |                  |
| 32.    |          |                        |                     |  |      |      |                             |    |                  |
| 33.    |          |                        |                     |  |      |      |                             |    |                  |
| 34.    |          |                        |                     |  |      |      |                             |    |                  |
| 35.    |          |                        |                     |  |      |      |                             |    |                  |
| 36.    |          |                        |                     |  |      |      |                             |    |                  |
| 37.    |          |                        |                     |  |      |      |                             |    |                  |
| 38.    |          |                        |                     |  |      |      |                             |    |                  |
| 39.    |          |                        |                     |  |      |      |                             |    |                  |
| 40.    |          |                        |                     |  |      |      |                             |    |                  |
| 41.    |          |                        |                     |  |      |      |                             |    |                  |
| 42.    |          |                        |                     |  |      |      |                             |    |                  |

**MONITORING WELL COMPLETION DIAGRAMS**

# MONITORING WELL CONSTRUCTION DIAGRAM

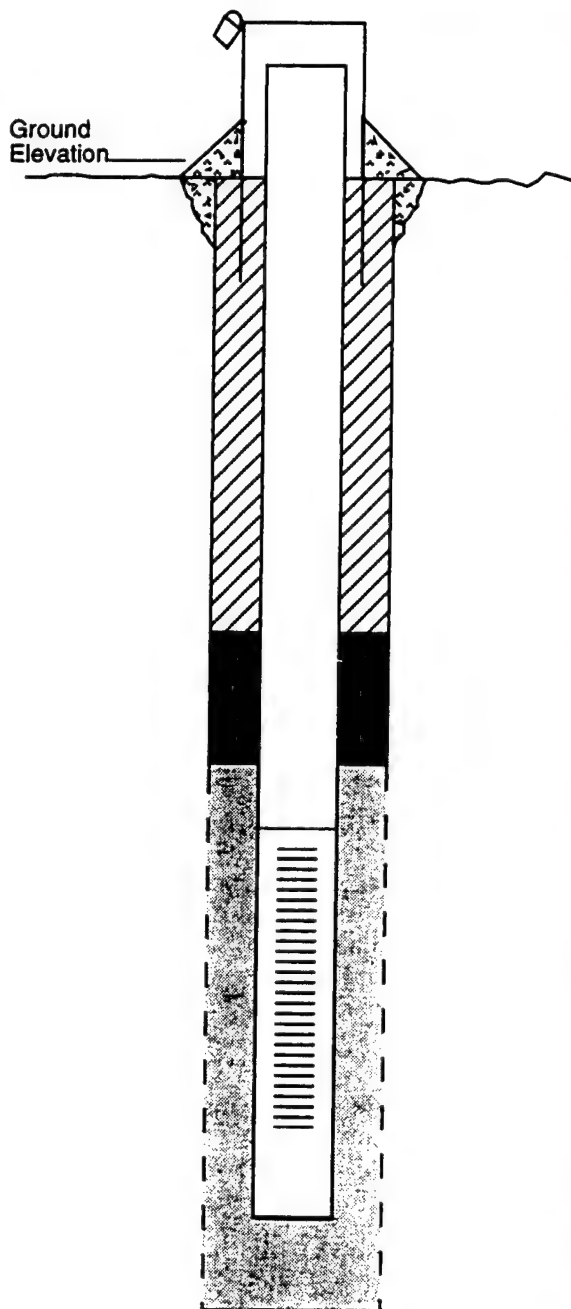
Project FORT Allen SI Study Area AOC-3 Driller Soil Tech  
 Project No. 09890.03 Boring No. MW-03-01 Drilling Method HSA  
 Date Installed 11/15/96 Development Method B-K pump  
 Field Geologist M. ALONSO Hand pump / surge



Stick-up of Casing Above Ground Surface: 4 ft.  
 Type of Surface Seal/Other Protection: GROUT / steel Post  
 Type of Surface Casing: 4-inch steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement - Bentonite Grout  
 Depth of Top of Seal: 15'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 20'  
 Depth of Top of Screen: 25'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W. G. MORIE SAND  
 Depth of Bottom of Screen: 40'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 42'

# MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Allen SI Study Area AOC-3 Driller Soil tech  
 Project No. 09890.03 Boring No. MW-03-02 Drilling Method HSA  
 Date Installed 11/16/96 Development Method Ø-k pump  
 Field Geologist M. ALONSO Hand pump/surge



Stick-up of Casing Above Ground Surface: 4 ft

Type of Surface Seal/Other Protection: Grout/steel/ post

Type of Surface Casing: 4-inch steel

ID of Surface Casing: 4-inch

Diameter of Borehole: 10 1/4"

Riser Pipe ID: 2"

Type of Riser Pipe: Sch. 40 PVC

Type of Backfill: Cement - Bentonite Grout

Depth of Top of Seal: 10'

Type of Seal: Bentonite Pellets

Depth of Top of Sand: 15'

Depth of Top of Screen: 20'

Type of Screen: Sch. 40 PVC

Slot Size x Length: 0.010" x 15'

ID of Screen: 2"

Type of Sandpack: #2 W. G. MORIE SAND

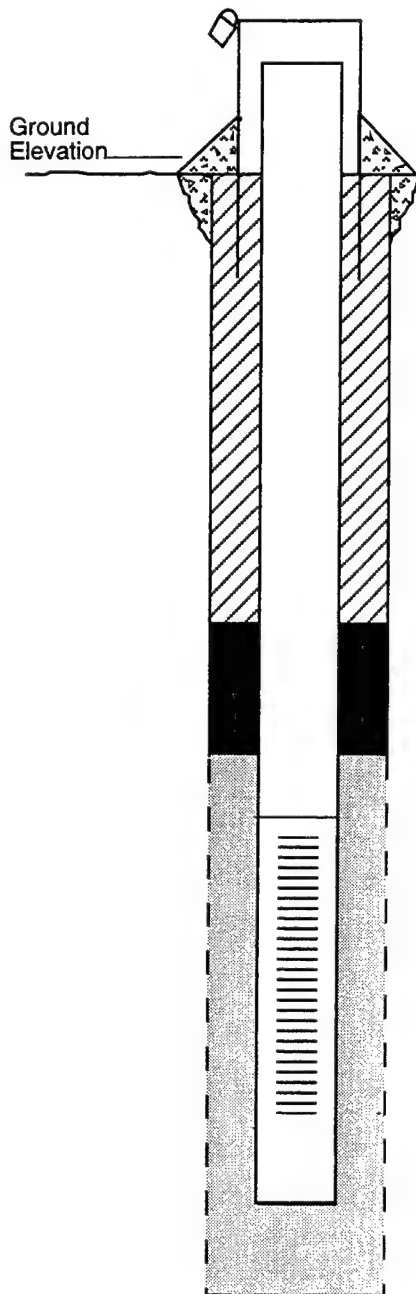
Depth of Bottom of Screen: 35'

Depth of Sediment Sump with Plug: 0

Depth of Bottom of Borehole: 37'

# MONITORING WELL CONSTRUCTION DIAGRAM

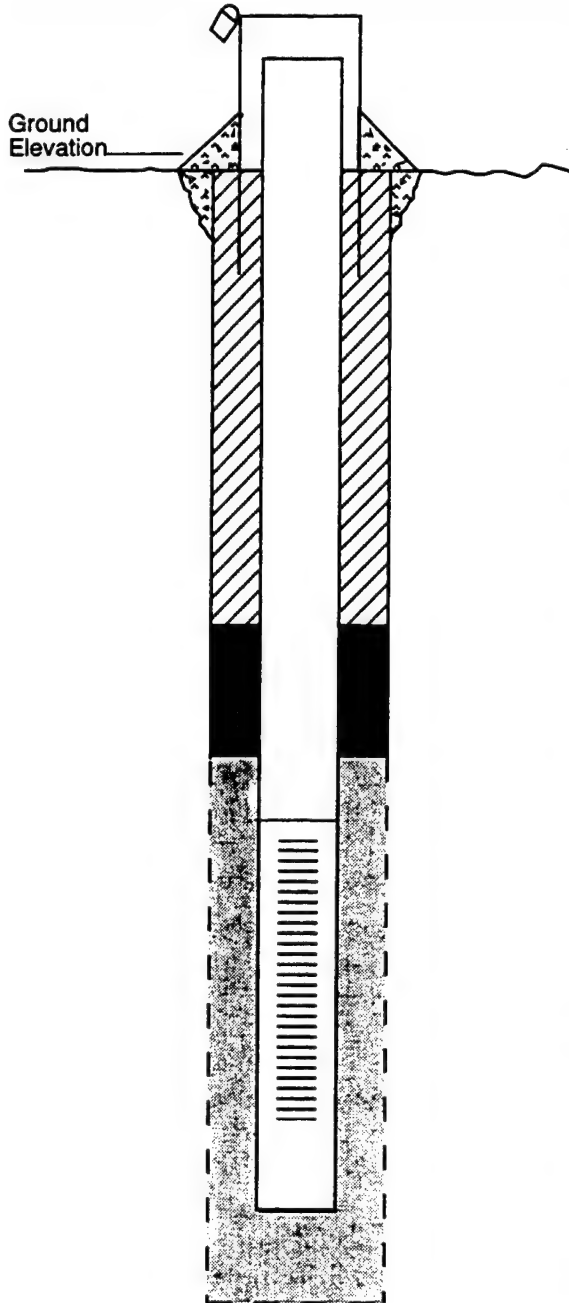
Project Fort Allen SI Study Area AOC 8 Driller Soil tech  
 Project No. 09890.03 Boring No. MW-08-01 Drilling Method HSA  
 Date Installed 11/14/96 Development Method B-K pump  
 Field Geologist M. Alonso Hand pump/surge.



Stick-up of Casing Above Ground Surface: 4 ft  
 Type of Surface Seal/Other Protection: Grout/Steel Post  
 Type of Surface Casing: 4-inch steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement-Bentonite Grout  
 Depth of Top of Seal: 7'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 10'  
 Depth of Top of Screen: 15'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W.G. Mokie Sand  
 Depth of Bottom of Screen: 30'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 32'

# MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Allen SI Study Area AOC-9 Driller Soil Tech  
 Project No. 09890.03 Boring No. MW-09-01 Drilling Method HSA  
 Date Installed 11/17/96 Development Method B-K pump  
 Field Geologist M. Alonso Hand pump / surca.



Stick-up of Casing Above Ground Surface: 4 ft.  
 Type of Surface Seal/Other Protection: Grout / Steel Post  
 Type of Surface Casing: 4-inch Steel  
 ID of Surface Casing: 4-inch  
 Diameter of Borehole: 10 1/4"  
 Riser Pipe ID: 2"  
 Type of Riser Pipe: Sch. 40 PVC  
 Type of Backfill: Cement - Bentonite Grout  
 Depth of Top of Seal: 2'  
 Type of Seal: Bentonite Pellets  
 Depth of Top of Sand: 5'  
 Depth of Top of Screen: 10'  
 Type of Screen: Sch. 40 PVC  
 Slot Size x Length: 0.010" x 15'  
 ID of Screen: 2"  
 Type of Sandpack: #2 W. G. Motic Sand  
 Depth of Bottom of Screen: 25'  
 Depth of Sediment Sump with Plug: 0  
 Depth of Bottom of Borehole: 27'

**WELL DEVELOPMENT RECORDS**

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**ABB Environmental Services, Inc.**

# WELL DEVELOPMENT RECORD

|   |  |   |
|---|--|---|
| Project: <b>Fort Allen SI</b>           | Well Installation Date: <b>11/15/96</b>  | Project No. <b>09890, 03</b>  |
| Client: <b>US AEC</b>                   | Well Development Date: <b>11/20/96</b>   | Logged by: <b>H. Alonso</b><br>Checked by:                            |
| Well/Site I.D.: <b>MW-03-01</b>         | Weather: <b>Hot humid Clear</b>  | Start Date: <b>11/20/96</b><br>Finish Date: <b>11/20/96</b>           |
| Well Construction Record Data:          |  | Start Time: <b>1330</b><br>Finish Time: <b>1550</b>                   |
| Bottom of Screen <b>44 ft.</b>          | Well Diameter <b>2 in.</b>   |   |
| Sediment Sump/Plug <b>ft.</b>           | From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/> |   |
| Screen Length <b>15 ft.</b>             | Fluids Lost during Drilling <b>0 gal.</b>  |   |
| Protective Casing Stick-up <b>4 ft.</b> | Protective Casing/Well Diff. <b>0 ft.</b>  | PID Readings: Ambient Air <b>0.0 ppm</b><br>Well Mouth <b>0.0 ppm</b> |

|                                       |   |
|---------------------------------------|---|
| Well Levels:                          | Sediment:   |
| Initial <b>30.30 ft.</b>              | Well Depth before Development <b>44.20 ft.</b> (from top of PVC)                      |
| End of Development <b>30.15 ft.</b>   | Well Depth after Development <b>43.90 ft.</b>   |
| 24 Hours after Development <b>ft.</b> | Sediment Depth Removed <b>N/A ft.</b>   |
| HT of Water Column <b>13.9 ft.</b>    | x <input type="checkbox"/> 1.39" = <b>19.32 gal./vol.</b> *for 2" HSA Installed Wells |

|  |   |
|--|---|
| Equipment:   | Approximate Recharge Rate   |
| <input type="checkbox"/> Dedicated Submersible Pump  | <b>N/A gpm</b>  |
| <input type="checkbox"/> Surge Block   | Total Gallons Removed <b>2110 gal.</b>  |
| <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> 4"  |   |
| <input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4"  |   |
| Well Development Criteria Met:   | Yes No  |
| Notes: <b>All parameters measured stabilized except for turbidity which is high. Well was developed with hand operated well using a BK-pump.</b> | <input checked="" type="checkbox"/> Well water clear to unaided eye <input type="checkbox"/>  |
|  | <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input type="checkbox"/>                           |
|  | <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> |
| End of Well Development Sample (1 pint) Collected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                           |   |

| Water Parameter Measurements   |               |      |        |              |           |                        |                         |
|--|---------------|------|--------|--------------|-----------|------------------------|-------------------------|
| Record at start, twice during and at the end of development (minimum): |               |      |        |              |           |                        |                         |
| Time   | Total Gallons | pH   | Temp.  | Conductivity | Turbidity | Estimated Pumping Rate | Estimated Recharge Rate |
| 1400   | 25            | 7.18 | 27.6°C | 0.594        | 774       | 3 gpm                  |                         |
| 1424   | 25            | 7.12 | 28.2°C | 0.577        | 744       | 3 gpm                  |                         |
| 1443   | 19            | 7.07 | 27.0°C | 0.580        | 999       | 3 gpm                  |                         |
| 1449   | 20            | 7.01 | 27.1°C | 0.575        | 999       | 3 gpm                  |                         |
| 1451   | 18            | 6.98 | 27.1°C | 0.567        | 999       | 3 gpm                  |                         |

Well Developer's Signature

*[Signature]*

ABB Environmental Services, Inc.



## WELL DEVELOPMENT RECORD

|  |               |  |       |                                     |           |                        |                         |
|--|---------------|--|-------|-------------------------------------|-----------|------------------------|-------------------------|
| Project: Fort Allen SA   |               | Well Installation Date: 11/16/96   |       | Project No. 0A890.03                |           |                        |                         |
| Client: U.S. AEC   |               | Well Development Date: 11/20/96  |       | Checked by: M. Adams                |           |                        |                         |
| Well/Site I.D.: MW-03-02   |               | Weather:   |       | Start Date: 11/20/96                |           |                        |                         |
| Well Construction Record Data:   |               | Well Diameter: 2 in.   |       | Start Time: 1330                    |           |                        |                         |
| Bottom of Screen: 36 ft.   |               | From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/> |       | Finish Time: 1400                   |           |                        |                         |
| Sediment Sump/Plug: ft.  |               | Fluids Lost during Drilling: N/A gal.  |       | 11/21/96 (Bailey)                   |           |                        |                         |
| Screen Length: 15 ft.  |               | Protective Casing Stick-up: 4 ft.  |       | Protective Casing/Well Diff.: 0 ft. |           |                        |                         |
|  |               | PID Readings: Ambient Air 0.0 ppm  |       | Well Mouth 0.0 ppm                  |           |                        |                         |
| Well Levels:   |               | Sediment:  |       |                                     |           |                        |                         |
| Initial 11/21/96 26.8  |               | Well Depth before Development: 39.0 ft.  |       | (from top of PVC)                   |           |                        |                         |
| End of Development well dry.   |               | Well Depth after Development: 39.80 ft.  |       |                                     |           |                        |                         |
| 24 Hours after Development N/A ft.   |               | Sediment Depth Removed: 0.80 ft.   |       |                                     |           |                        |                         |
| HT of Water Column: 8.8 ft.  |               | x 1.39" = 12.23 gal./vol.  |       | *for 2" HSA Installed Wells         |           |                        |                         |
| Equipment:   |               | Approximate Recharge Rate: N/A gpm   |       |                                     |           |                        |                         |
| <input type="checkbox"/> Dedicated Submersible Pump  |               | Total Gallons Removed: < 2 gal.  |       |                                     |           |                        |                         |
| <input type="checkbox"/> Surge Block   |               |  |       |                                     |           |                        |                         |
| <input checked="" type="checkbox"/> Bailer 2" <input type="checkbox"/>   |               |  |       |                                     |           |                        |                         |
| <input type="checkbox"/> Grundfos Pump 2" 4"   |               |  |       |                                     |           |                        |                         |
| Well Development Criteria Met: silts & clay  |               |  |       |                                     |           |                        |                         |
| Notes: Well has mud inside, reading for depth to water and total well depth is questionable. We used developed a stainless steel bailer until dry.                   |               |  |       |                                     |           |                        |                         |
| End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |               |  |       |                                     |           |                        |                         |
| Water Parameter Measurements   |               |  |       |                                     |           |                        |                         |
| Record at start, twice during and at the end of development (minimum):   |               |  |       |                                     |           |                        |                         |
| Time   | Total Gallons | pH   | Temp. | Conductivity                        | Turbidity | Estimated Pumping Rate | Estimated Recharge Rate |
| N/A  | N/A           | N/A  | N/A   | N/A                                 | N/A       | N/A                    | N/A                     |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
|  |               |  |       |                                     |           |                        |                         |
| The VK pump broke and will develop tomorrow with stainless steel bailer. The bailer was used for 12 times and then well was dry. Water parameters were not obtained. |               |  |       |                                     |           |                        |                         |
| Well Developer's Signature: [Signature]  |               |  |       |                                     |           |                        |                         |

## WELL DEVELOPMENT RECORD

|   |               |  |            |   |            |                        |                         |
|---|---------------|--|------------|---|------------|------------------------|-------------------------|
| Project: <b>Fort Allen SI</b>   |               | Well Installation Date: <b>11/16/96</b>  |            | Project No. <b>09890, 03</b>                        |            |                        |                         |
| Client: <b>U.S. A.E.C.</b>  |               | Well Development Date: <b>11/21/96</b>   |            | Logged by: <b>M. Alonzo</b>                         |            |                        |                         |
| Well/Site I.D.: <b>MW-03-02</b>   |               | Weather: <b>Cloudy, hot, humid.</b>  |            | Checked by:   |            |                        |                         |
| Well Construction Record Data:  |               | Well Diameter: <b>2</b> in.  |            | Start Date: <b>11/21/96</b>                         |            |                        |                         |
| Bottom of Screen: <b>36</b> ft.   |               |  |            | Start Time: <b>1330</b>                             |            |                        |                         |
| Sediment Sump/Plug: <b>ft.</b>  |               | From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/> |            | Finish Date: <b>11/21/96</b>                        |            |                        |                         |
| Screen Length: <b>15</b> ft.  |               | Fluids Lost during Drilling: <b>N/A</b> gal.   |            | Finish Time: <b>1400</b>                            |            |                        |                         |
| Protective Casing Stick-up: <b>4</b> ft.  |               | Protective Casing/Well Diff.: <b>0</b> ft.   |            | PID Readings:                                       |            |                        |                         |
|   |               |  |            | Ambient Air: <b>0.0</b> ppm                         |            |                        |                         |
|   |               |  |            | Well Mouth: <b>0.0</b> ppm                          |            |                        |                         |
| Well Levels:  |               | Sediment:  |            |   |            |                        |                         |
| Initial: <b>26.80</b> ft.   |               | Well Depth before Development: <b>39.0</b> ft.   |            | (from top of PVC)                                   |            |                        |                         |
| End of Development: <b>39.80</b> ft.  |               | Well Depth after Development: <b>39.8</b> ft.  |            |   |            |                        |                         |
| 24 Hours after Development: <b>N/A</b> ft.  |               | Sediment Depth Removed: <b>0.80</b> ft.  |            |   |            |                        |                         |
| HT of Water Column: <b>12.2</b> ft.   |               | x <input checked="" type="checkbox"/> 1.39*<br><input type="checkbox"/>                            |            | = <b>16.8</b> gal./vol. *for 2" HSA Installed Wells |            |                        |                         |
| Equipment:  |               | Approximate Recharge Rate: <b>0.14</b> gpm   |            |   |            |                        |                         |
| <input type="checkbox"/> Dedicated Submersible Pump   |               | Total Gallons Removed: <b>gal.</b>   |            |   |            |                        |                         |
| <input type="checkbox"/> Surge Block  |               |  |            |   |            |                        |                         |
| <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> 4"                     |               |  |            |   |            |                        |                         |
| <input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4"                                       |               |  |            |   |            |                        |                         |
| Well Development Criteria Met:  |               |  |            |   |            |                        |                         |
| Notes: <b>The well dry-out after 12 bailers</b>   |               |  |            |   |            |                        |                         |
| <b>Recharge was measured at 0.14 gpm</b>  |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
| End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input type="checkbox"/> No |               |  |            |   |            |                        |                         |
| Water Parameter Measurements  |               |  |            |   |            |                        |                         |
| Record at start, twice during and at the end of development (minimum):                                      |               |  |            |   |            |                        |                         |
| Time  | Total Gallons | pH   | Temp.      | Conductivity  | Turbidity  | Estimated Pumping Rate | Estimated Recharge Rate |
| <b>N/A</b>  | <b>N/A</b>    | <b>N/A</b>   | <b>N/A</b> | <b>N/A</b>  | <b>N/A</b> | <b>N/A</b>             | <b>N/A</b>              |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
|   |               |  |            |   |            |                        |                         |
| Water parameters were not obtained since the water recovered had large amounts of silts & clay              |               |  |            |   |            |                        |                         |
| Well Developer's Signature: <b>M. Alonzo</b>  |               |  |            |   |            |                        |                         |

# WELL DEVELOPMENT RECORD

|                                 |   |                              |
|---------------------------------|---|------------------------------|
| Project: <b>Fort Allen SI</b>   | Well Installation Date: <b>11/14/96</b> | Project No. <b>09890.03</b>  |
| Client: <b>USAEC</b>            | Well Development Date: <b>11/20/96</b>  | Logged by: <b>H. Alonso</b>  |
| Well/Site I.D.: <b>MW-08-01</b> | Weather: <b>Cloudy, hot, humid</b>      | Start Date: <b>11/20/96</b>  |
|                                 |   | Finish Date: <b>11/20/96</b> |

|                                |                |  |                         |                          |
|--------------------------------|----------------|--|-------------------------|--------------------------|
| Well Construction Record Data: |                | Well Diameter: <b>2 in.</b>  | Start Time: <b>1030</b> | Finish Time: <b>1127</b> |
| Bottom of Screen               | <b>30 ft.</b>  | From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/> |                         |                          |
| Sediment Sump/Plug             | <b>N/A ft.</b> | plug $\approx$ 4"  |                         |                          |
| Screen Length                  | <b>15 ft.</b>  | Fluids Lost during Drilling: <b>N/A gal.</b>   |                         |                          |

|  |  |                             |
|--|--|-----------------------------|
| Protective Casing Stick-up: <b>4 ft.</b> | Protective Casing/Well Diff.: <b>0 ft.</b> | PID Readings:               |
|  |  | Ambient Air: <b>0.0 ppm</b> |
|  |  | Well Mouth: <b>0.0 ppm</b>  |

|                            |                  |  |                                    |
|----------------------------|------------------|--|------------------------------------|
| Well Levels:               |                  | Sediment:  |                                    |
| Initial                    | <b>20.40 ft.</b> | Well Depth before Development  | <b>34.17 ft.</b> (from top of PVC) |
| End of Development         | <b>20.24 ft.</b> | Well Depth after Development   | <b>34.20 ft.</b>                   |
| 24 Hours after Development | <b>ft.</b>       | Sediment Depth Removed   | <b>0.03 ft.</b>                    |
| HT of Water Column         | <b>13.77 ft.</b> | $\times \begin{matrix} \square 1.39'' \\ \square \end{matrix} = \text{19.16 gal./vol. for 2" HSA installed Wells}$ |                                    |

|   |  |
|---|--|
| Equipment:  | Approximate Recharge Rate              |
| <input type="checkbox"/> Dedicated Submersible Pump<br><input checked="" type="checkbox"/> Surge Block <b>VK pump</b><br><input type="checkbox"/> Bailor <input type="checkbox"/> 2" <input type="checkbox"/> 4"<br><input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4" | <b>gpm</b>                             |
|   | Total Gallons Removed: <b>103 gal.</b> |

Well Development Criteria Met: **BK pump. (hand pump/surge)**

Notes: The turbidity of the developed water is high. It is not clear to unaided eye.

|   |  |
|---|--|
| <input checked="" type="checkbox"/> Well water clear to unaided eye<br><input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length<br><input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost | Yes No<br><input type="checkbox"/> <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/> <input type="checkbox"/><br><input checked="" type="checkbox"/> <input type="checkbox"/> |
|---|--|

End of Well Development Sample (1 pint) Collected? ☐ Yes ☐ No

| Water Parameter Measurements   |               |      |        |              |           |                        |                         |
|--|---------------|------|--------|--------------|-----------|------------------------|-------------------------|
| Record at start, twice during and at the end of development (minimum): |               |      |        |              |           |                        |                         |
| Time   | Total Gallons | pH   | Temp.  | Conductivity | Turbidity | Estimated Pumping Rate | Estimated Recharge Rate |
| 1050   | 25            | 7.08 | 27.3°C | 0.659        | 999       | 3 gpm                  |                         |
| 1056   | 20 (45)       | 7.19 | 27.1°C | 0.654        | 999       | 3 gpm                  |                         |
| 1103   | 19 (64)       | 7.26 | 26.9°C | 0.653        | 999       | 3 gpm                  |                         |
| 1109   | 18 (82)       | 7.21 | 27.0°C | 0.654        | 766       | 3 gpm                  |                         |
| 1116   | 21 (103)      | 7.16 | 27.0°C | 0.652        | 862       | 3 gpm                  |                         |

Well Developer's Signature: *Manuel Lopez*

# WELL DEVELOPMENT RECORD

Project: USAEC / Fort Allen SI Well Installation Date: 11/17/96 Project No. 09890.03

Client: USAEC Well Development Date: 11/20/96 Logged by: H. ALONSO Checked by:

Well/Site I.D.: MW-09-01 Weather: Cloudy, hot, humid Start Date: 11/20/96 Finish Date: 11/20/96

Well Construction Record Data: Well Diameter 2 in.

|                    |                |  |
|--------------------|----------------|--|
| Bottom of Screen   | <u>25</u> ft.  | From Ground Surface <input checked="" type="checkbox"/> From Top of Riser <input type="checkbox"/> |
| Sediment Sump/Plug | <u>N/A</u> ft. |  |
| Screen Length      | <u>15</u> ft.  |  |

Fluids Lost during Drilling N/A gal.

Protective Casing Stick-up 4 ft. Protective Casing/Well Diff.        ft. PID Readings: Ambient Air 0.0 ppm Well Mouth 0.0 ppm

Well Levels: Initial 16.90 ft. Sediment: Well Depth before Development 30.42 ft. (from top of PVC) End of Development 17.10 ft. Well Depth after Development 30.10 ft. 24 Hours after Development N/A ft. Sediment Depth Removed 0.32 ft. HT of Water Column 13.52 ft. x ☒ 1.39" = 18.79 gal./vol. \*for 2" HSA Installed Wells

Equipment: ☐ Dedicated Submersible Pump Approximate Recharge Rate        gpm ☐ Surge Block Total Gallons Removed 106 gal. ☐ Bailer ☐ 2" ☐ Grundfos Pump 2"        4" BK Pump (hand pump/surge)

Well Development Criteria Met: ☒ Well water clear to unaided eye ☐ Yes ☒ No ☒ Sediment thickness remaining in well is <1.0% of screen length ☐ Yes ☒ No ☒ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost ☐ Yes ☒ No

Notes: The turbidity of the water is high except for the last sample (89 test)

End of Well Development Sample (1 pint) Collected? ☒ Yes ☐ No

| Water Parameter Measurements   |                 |             |               |              |            |                        |                         |
|--|-----------------|-------------|---------------|--------------|------------|------------------------|-------------------------|
| Record at start, twice during and at the end of development (minimum): |                 |             |               |              |            |                        |                         |
| Time   | Total Gallons   | pH          | Temp.         | Conductivity | Turbidity  | Estimated Pumping Rate | Estimated Recharge Rate |
| <u>0806</u>  | <u>23</u>       | <u>7.02</u> | <u>28.1°C</u> | <u>0.801</u> | <u>999</u> | <u>3 gpm</u>           |                         |
| <u>0819</u>  | <u>19 (42)</u>  | <u>7.10</u> | <u>28.0°C</u> | <u>0.785</u> | <u>999</u> | <u>3 gpm</u>           |                         |
| <u>0835</u>  | <u>24 (66)</u>  | <u>7.14</u> | <u>28.3°C</u> | <u>0.803</u> | <u>999</u> | <u>3 gpm</u>           |                         |
| <u>0841</u>  | <u>20 (86)</u>  | <u>7.20</u> | <u>27.8°C</u> | <u>0.801</u> | <u>999</u> | <u>3 gpm</u>           |                         |
| <u>0856</u>  | <u>20 (106)</u> | <u>7.02</u> | <u>28.3°C</u> | <u>0.781</u> | <u>89</u>  | <u>3 gpm</u>           |                         |

Well Developer's Signature Mouf Thompson

**GROUNDWATER SAMPLING DATA RECORDS**

---

**ABB Environmental Services, Inc.**

## FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT FORT ALLEN, PR  
 WELL ID MW-03-01  
 SAMPLE ISIS ID M030126X

JOB NUMBER 9890-03DATE 12-4-96

ACTIVITY  
 TIME START 0807 END 1022

BOTTLE  
 TIME 1030

☐ QC SAMPLES COLLECTED  
 DUPLICATE ID  
 MS ID  
 MSD ID

## WATER LEVEL / WELL DATA

MEASURED WELL DEPTH 43.90 FT (TOR) HISTORICAL WELL DEPTH        FT (TOR)  
 PROTECTIVE CASING STICKUP (FROM GROUND) 3.05 FT PROTECTIVE CASING / WELL DIFFERENCE 0.06 FT  
 DEPTH TO WATER 30.12 FT (TOR) SCREEN LENGTH 15 FT WELL DIAMETER 2 IN WELL MATERIAL PVC  
 HEIGHT OF WATER COLUMN 13.78 FT x ☒ 0.45 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = 19.15 GAL/VOL TOTAL VOLUME PURGED 95.77 GAL  
☐ 1.5 GAL/FT (6 IN)  
 AMBIENT AIR — PPM WELL MOUTH — PPM

## PURGE DATA

| PURGE VOLUME (gallons)  | 19   | 38   | 57   | 76   | 95   |
|-------------------------|------|------|------|------|------|
| TEMPERATURE (degreesC)  | 23   | 23   | 23   | 23   | 22.5 |
| pH (units)              | 6.25 | 6.22 | 6.28 | 6.26 | 6.25 |
| TURBIDITY (ntu)         | 2.08 | 0.44 | 0.24 | 0.20 | 0.66 |
| SPEC. COND. (uhms/cm)   | 505  | 507  | 513  | 523  | 522  |
| DISSOLVED OXYGEN (mg/L) | —    | —    | —    | —    | —    |
| REDOX POTENTIAL         | —    | —    | —    | —    | —    |

## SAMPLE OBSERVATIONS:

☒ CLEAR  
☐ COLORED \_\_\_\_\_  
☐ CLOUDY \_\_\_\_\_  
☐ TURBID \_\_\_\_\_  
☐ ODOR \_\_\_\_\_  
☐ OTHER (see notes)

## EQUIPMENT DOCUMENTATION

PURGING ☒ SAMPLING ☒  
 PERISTALTIC PUMP  
 SUBMERSIBLE PUMP  
 BLADDER PUMP  
 PVC/SILICON TUBING  
 TEFLON/SILICON TUBING  
 WATERA  
 IN LINE FILTER  
 PRESS/VAC FILTER  
Teflon Bailer  
 DECON FLUIDS USED  
☒ METHANOL  
☐ LIQUINOX  
☐ POTABLE WATER  
☐ DEIONIZED WATER  
☐ HEXANE  
☐ NITRIC ACID  
 WATER LEVEL EQUIPMENT USED  
☒ ELECTRIC COND. PROBE  
☐ FLOAT ACTIVATED  
☐ KECK INTERFACE PROBE  
 NUMBER OF FILTERS USED \_\_\_\_\_

## ANALYTICAL PARAMETERS

|                                     | METHOD NUMBER | FILTERED | PRESERVATION METHOD | VOLUME REQUIRED | SAMPLE COLLECTED         | SAMPLE BOTTLE ID NUMBERS |
|-------------------------------------|---------------|----------|---------------------|-----------------|--------------------------|--------------------------|
| <input type="checkbox"/> VOCs       | VMS1-WA       |          | HCL pH<2            | (3) 40 ml       | <input type="checkbox"/> |                          |
| <input type="checkbox"/> SVOCs      | SMV1-WA       |          | 4°C                 | (2) 1L AG       | <input type="checkbox"/> |                          |
| <input type="checkbox"/> Inorganics | see below     |          | HNO3 pH<2           | (1) 1L Poly     | <input type="checkbox"/> |                          |
| <input type="checkbox"/> TPH-GRO    | USEPA 8015A   |          | HCL pH<2            | (3) 40 ml       | <input type="checkbox"/> |                          |
| <input type="checkbox"/> TPH-DRO    | USEPA 8015A   |          | 4°C                 | (2) 1L AG       | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |
| <input type="checkbox"/>            |               |          |                     |                 | <input type="checkbox"/> |                          |

Inorganics: ICM1-WA, ICP1-WA, HGC1-WA, GPB1-WA, GSE1-WA, GTL1-WA

## NOTES

SIGNATURE: Scott Onelich

RECEIVED BY: \_\_\_\_\_

ABB Environmental Services, Inc.

|                |                |
|----------------|----------------|
| PROJECT        | FORT ALLEN, PR |
| WELL ID        | MW-03-02       |
| SAMPLE ISIS ID | M030222X       |

DATE 12-4-96

ACTIVITY  
TIME START 0720 END 0727

BOTTLE  
TIME 0906

SAMPLE ISIS ID **M030222X**

|                          |            |              |  |
|--------------------------|------------|--------------|--|
| <input type="checkbox"/> | QC SAMPLES | DUPLICATE ID |  |
|                          | COLLECTED  | MS ID        |  |
|                          |            | MSD ID       |  |

MEASURED WELL DEPTH **40.56 FT (TOR)**

| HISTORICAL<br>WELL DEPTH | FT (TOR) |
|--------------------------|----------|
|--------------------------|----------|

PROTECTIVE  
CASING STICKUP  
(FROM GROUND) 3.01 FT

PROTECTIVE  
CASING / WELL  
DIFFERENCE

|       |      |
|-------|------|
| -0.04 | FEET |
|-------|------|

DEPTH TO WATER 26.84 FT (TOR)

SCREEN LENGTH 15 FT

WELL DIAMETER 2 IN

WELL MATERIAL PVC

HEIGHT OF  
WATER COLUMN **13.72 FT**

☒ 1.39 ☐ 1.40 ☐ 1.41 ☐ 1.42 ☐ 1.43 ☐ 1.44 ☐ 1.45 ☐ 1.46 ☐ 1.47 ☐ 1.48 ☐ 1.49 ☐ 1.50 ☐ 1.51 ☐ 1.52 ☐ 1.53 ☐ 1.54 ☐ 1.55 ☐ 1.56 ☐ 1.57 ☐ 1.58 ☐ 1.59 ☐ 1.60 ☐ 1.61 ☐ 1.62 ☐ 1.63 ☐ 1.64 ☐ 1.65 ☐ 1.66 ☐ 1.67 ☐ 1.68 ☐ 1.69 ☐ 1.70 ☐ 1.71 ☐ 1.72 ☐ 1.73 ☐ 1.74 ☐ 1.75 ☐ 1.76 ☐ 1.77 ☐ 1.78 ☐ 1.79 ☐ 1.80 ☐ 1.81 ☐ 1.82 ☐ 1.83 ☐ 1.84 ☐ 1.85 ☐ 1.86 ☐ 1.87 ☐ 1.88 ☐ 1.89 ☐ 1.90 ☐ 1.91 ☐ 1.92 ☐ 1.93 ☐ 1.94 ☐ 1.95 ☐ 1.96 ☐ 1.97 ☐ 1.98 ☐ 1.99 ☐ 2.00 ☐ 2.01 ☐ 2.02 ☐ 2.03 ☐ 2.04 ☐ 2.05 ☐ 2.06 ☐ 2.07 ☐ 2.08 ☐ 2.09 ☐ 2.10 ☐ 2.11 ☐ 2.12 ☐ 2.13 ☐ 2.14 ☐ 2.15 ☐ 2.16 ☐ 2.17 ☐ 2.18 ☐ 2.19 ☐ 2.20 ☐ 2.21 ☐ 2.22 ☐ 2.23 ☐ 2.24 ☐ 2.25 ☐ 2.26 ☐ 2.27 ☐ 2.28 ☐ 2.29 ☐ 2.30 ☐ 2.31 ☐ 2.32 ☐ 2.33 ☐ 2.34 ☐ 2.35 ☐ 2.36 ☐ 2.37 ☐ 2.38 ☐ 2.39 ☐ 2.40 ☐ 2.41 ☐ 2.42 ☐ 2.43 ☐ 2.44 ☐ 2.45 ☐ 2.46 ☐ 2.47 ☐ 2.48 ☐ 2.49 ☐ 2.50 ☐ 2.51 ☐ 2.52 ☐ 2.53 ☐ 2.54 ☐ 2.55 ☐ 2.56 ☐ 2.57 ☐ 2.58 ☐ 2.59 ☐ 2.60 ☐ 2.61 ☐ 2.62 ☐ 2.63 ☐ 2.64 ☐ 2.65 ☐ 2.66 ☐ 2.67 ☐ 2.68 ☐ 2.69 ☐ 2.70 ☐ 2.71 ☐ 2.72 ☐ 2.73 ☐ 2.74 ☐ 2.75 ☐ 2.76 ☐ 2.77 ☐ 2.78 ☐ 2.79 ☐ 2.80 ☐ 2.81 ☐ 2.82 ☐ 2.83 ☐ 2.84 ☐ 2.85 ☐ 2.86 ☐ 2.87 ☐ 2.88 ☐ 2.89 ☐ 2.90 ☐ 2.91 ☐ 2.92 ☐ 2.93 ☐ 2.94 ☐ 2.95 ☐ 2.96 ☐ 2.97 ☐ 2.98 ☐ 2.99 ☐ 3.00 ☐ 3.01 ☐ 3.02 ☐ 3.03 ☐ 3.04 ☐ 3.05 ☐ 3.06 ☐ 3.07 ☐ 3.08 ☐ 3.09 ☐ 3.10 ☐ 3.11 ☐ 3.12 ☐ 3.13 ☐ 3.14 ☐ 3.15 ☐ 3.16 ☐ 3.17 ☐ 3.18 ☐ 3.19 ☐ 3.20 ☐ 3.21 ☐ 3.22 ☐ 3.23 ☐ 3.24 ☐ 3.25 ☐ 3.26 ☐ 3.27 ☐ 3.28 ☐ 3.29 ☐ 3.30 ☐ 3.31 ☐ 3.32 ☐ 3.33 ☐ 3.34 ☐ 3.35 ☐ 3.36 ☐ 3.37 ☐ 3.38 ☐ 3.39 ☐ 3.40 ☐ 3.41 ☐ 3.42 ☐ 3.43 ☐ 3.44 ☐ 3.45 ☐ 3.46 ☐ 3.47 ☐ 3.48 ☐ 3.49 ☐ 3.50 ☐ 3.51 ☐ 3.52 ☐ 3.53 ☐ 3.54 ☐ 3.55 ☐ 3.56 ☐ 3.57 ☐ 3.58 ☐ 3.59 ☐ 3.60 ☐ 3.61 ☐ 3.62 ☐ 3.63 ☐ 3.64 ☐ 3.65 ☐ 3.66 ☐ 3.67 ☐ 3.68 ☐ 3.69 ☐ 3.70 ☐ 3.71 ☐ 3.72 ☐ 3.73 ☐ 3.74 ☐ 3.75 ☐ 3.76 ☐ 3.77 ☐ 3.78 ☐ 3.79 ☐ 3.80 ☐ 3.81 ☐ 3.82 ☐ 3.83 ☐ 3.84 ☐ 3.85 ☐ 3.86 ☐ 3.87 ☐ 3.88 ☐ 3.89 ☐ 3.90 ☐ 3.91 ☐ 3.92 ☐ 3.93 ☐ 3.94 ☐ 3.95 ☐ 3.96 ☐ 3.97 ☐ 3.98 ☐ 3.99 ☐ 4.00 ☐ 4.01 ☐ 4.02 ☐ 4.03 ☐ 4.04 ☐ 4.05 ☐ 4.06 ☐ 4.07 ☐ 4.08 ☐ 4.09 ☐ 4.10 ☐ 4.11 ☐ 4.12 ☐ 4.13 ☐ 4.14 ☐ 4.15 ☐ 4.16 ☐ 4.17 ☐ 4.18 ☐ 4.19 ☐ 4.20 ☐ 4.21 ☐ 4.22 ☐ 4.23 ☐ 4.24 ☐ 4.25 ☐ 4.26 ☐ 4.27 ☐ 4.28 ☐ 4.29 ☐ 4.30 ☐ 4.31 ☐ 4.32 ☐ 4.33 ☐ 4.34 ☐ 4.35 ☐ 4.36 ☐ 4.37 ☐ 4.38 ☐ 4.39 ☐ 4.40 ☐ 4.41 ☐ 4.42 ☐ 4.43 ☐ 4.44 ☐ 4.45 ☐ 4.46 ☐ 4.47 ☐ 4.48 ☐ 4.49 ☐ 4.50 ☐ 4.51 ☐ 4.52 ☐ 4.53 ☐ 4.54 ☐ 4.55 ☐ 4.56 ☐ 4.57 ☐ 4.58 ☐ 4.59 ☐ 4.60 ☐ 4.61 ☐ 4.62 ☐ 4.63 ☐ 4.64 ☐ 4.65 ☐ 4.66 ☐ 4.67 ☐ 4.68 ☐ 4.69 ☐ 4.70 ☐ 4.71 ☐ 4.72 ☐ 4.73 ☐ 4.74 ☐ 4.75 ☐ 4.76 ☐ 4.77 ☐ 4.78 ☐ 4.79 ☐ 4.80 ☐ 4.81 ☐ 4.82 ☐ 4.83 ☐ 4.84 ☐ 4.85 ☐ 4.86 ☐ 4.87 ☐ 4.88 ☐ 4.89 ☐ 4.90 ☐ 4.91 ☐ 4.92 ☐ 4.93 ☐ 4.94 ☐ 4.95 ☐ 4.96 ☐ 4.97 ☐ 4.98 ☐ 4.99 ☐ 5.00 ☐ 5.01 ☐ 5.02 ☐ 5.03 ☐ 5.04 ☐ 5.05 ☐ 5.06 ☐ 5.07 ☐ 5.08 ☐ 5.09 ☐ 5.10 <

☐ 0.65 GAL/FT (4 IN) = 19.07 GAL/VOL

|                     |           |
|---------------------|-----------|
| TOTAL VOLUME PURGED | 95.35 GAL |
|---------------------|-----------|

☐ 1.5 GAL/FT (8 IN)

| AMBIENT AIR | - | PPM |
|-------------|---|-----|
|-------------|---|-----|

|            |   |     |
|------------|---|-----|
| WELL MOUTH | - | PPM |
|------------|---|-----|

|                         |              |              |      |  |  |
|-------------------------|--------------|--------------|------|--|--|
| PURGE VOLUME (gallons)  | 0 (initial)  | 3            | 3.5  |  |  |
| TEMPERATURE (degreesC)  | 23           | 23           | 23   |  |  |
| pH (units)              | 6.21         | 6.24         | 6.26 |  |  |
| TURBIDITY (ntu)         | OUT OF RANGE | OUT OF RANGE | 69.2 |  |  |
| SPEC. COND. (u/mhos/cm) | 593          | 583          | 588  |  |  |
| DISSOLVED OXYGEN (mg/L) | -            | -            | -    |  |  |
| REDOX POTENTIAL         | -            | -            | -    |  |  |

☐ CLEAR

☐ COLORED \_\_\_\_\_

☒ CLOUDY \_\_\_\_\_

☒ TURBID Silty

☐ ODOR \_\_\_\_\_

☐ OTHER (see notes)

| PURGING                             | SAMPLING                            |                       |
|-------------------------------------|-------------------------------------|-----------------------|
| <input type="checkbox"/>            | <input type="checkbox"/>            | PERISTALTIC PUMP      |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SUBMERSIBLE PUMP      |
| <input type="checkbox"/>            | <input type="checkbox"/>            | BLADDER PUMP          |
| <input type="checkbox"/>            | <input type="checkbox"/>            | PVC/SILICON TUBING    |
| <input type="checkbox"/>            | <input type="checkbox"/>            | TEFLON/SILICON TUBING |
| <input type="checkbox"/>            | <input type="checkbox"/>            | WATTEA                |
| <input type="checkbox"/>            | <input type="checkbox"/>            | IN LINE FILTER        |
| <input type="checkbox"/>            | <input type="checkbox"/>            | PRESS/VAC FILTER      |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <u>Teflon Bailor</u>  |

|   |                 |
|---|-----------------|
|   | METHANOL        |
|   | LIQUINOX        |
| X | POTABLE WATER   |
|   | DEIONIZED WATER |
|   | HEXANE          |
|   | NITRIC ACID     |

|                                     |                      |
|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | ELECTRIC COND. PROBE |
| <input type="checkbox"/>            | FLOAT ACTIVATED      |
| <input type="checkbox"/>            | KEY INTERFACE PROBE  |

NUMBER OF FILTERS USED \_\_\_\_\_

☐ VOCs  
☐ SVOCs  
☐ Inorganics  
☐ TPH-GRO  
☐ TPH-DRO  
☐  
☐  
☐

**METHOD  
NUMBER**  
**VMS1-WA**  
**SMV1-WA**  
**see below**  
**USEPA 8015A**  
**USEPA 8015A**

**FILTERED**

## PRESERVATION

**METHOD**  
HCL pH<2  
4°C  
HNO3 pH<2  
HCL pH<2  
4°C

**VOLUME  
REQUIRED**  
(3) 40 ml  
(2) 1L AG  
(1) 1L Poly  
(3) 40 ml  
(2) 1L AG

**SAMPLE  
COLLECTED**

**SAMPLE BOTTLE  
ID NUMBERS**

**Inorganicos: ICM1-WA, ICP1-WA, HGC1-WA, GPB1-WA, GSE1-WA, GTL1-WA**

NOTES Well went dry after 3.5 gallons. Allowed well to recover then sampled.

SIGNATURE: David Donelich

RECEIVED BY: \_\_\_\_\_

**ABB Environmental Services, Inc.**

**BENIGNO RODRIGUEZ BURGOS & ASOCIADOS**  
AGRIMENSORES - INGENIEROS - CONSULTORES  
CARR. 14 KM. 7.6 (FRENTE AL CEMENTERIO LAS MERCEDES) COTO LAUREL, PONCE, PR

B  
R  
B  
APARTADO 10425  
PONCE, P.R. 00732-0425

TEL (787) 841-8927  
FAX: (787) 842-9284  
Beeper 1-800-981-6593  
Unidad 2910

December 27, 1996

ABB Environmental Services  
P.O. Box 7050 DTS  
110 Free Street  
Portland, Maine 04112-7050

Att. Mr. George Howitt

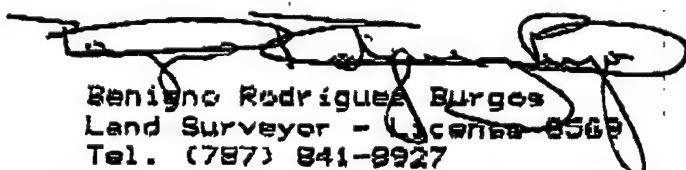
Subject: Quotation PD 96-116  
Elevation Survey  
Ft. Allen, J. Diaz, PR

Dear Sir:

Enclosed will find copy of the field book, elevation data,  
closing data and diagram of monitoring wells.

1. Diagram "Monitoring Well" (MW-08-01)
  - A. Elevation in ground corner (N-E) (9.890 mts.)
  - B. Elevation of iron tube (10.990 mts.)
  - C. Elevation of PVC tube (North side) (10.994 mts.)
2. Diagram "Monitoring Well" (MW-09-01)
  - A. Elevation in ground corner (N-W) (8.878 mts.)
  - B. Elevation of iron tube (9.959 mts.)
  - C. Elevation PVC tube (North side) (9.957 mts.)
3. Diagram "Monitoring Well" (MW-03-02)
  - A. Elevation in ground corner (N-E) (14.487 mts.)
  - B. Elevation of iron tube (15.397 mts.)
  - C. Elevation PVC tube (North side) (15.406 mts.)
4. Diagram "Monitoring Well" (MW-03-01)
  - A. Elevation in ground corner (S-E) (16.050 mts.)
  - B. Elevation of iron tube (16.991 mts.)
  - C. Elevation PVC tube (North side) (17.013 mts.)

Sincerely;

  
Benigno Rodriguez Burgos  
Land Surveyor - License 8568  
Tel. (787) 841-8927



**SURVEY DATA**

**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

| SITE ID             | UTM COORDINATES <sup>1</sup> |             | COMMENTS <sup>2</sup>                                    |
|---------------------|------------------------------|-------------|--|
|                     | EASTING                      | NORTHING    |  |
| <b><u>AOC 3</u></b> |                              |             |  |
| MW-03-01            | 763515.747                   | 1993850.273 | Coordinates are estimated.<br>Coordinates are estimated. |
| MW-03-02            | 763425.039                   | 1993703.732 |  |
| GP-03-01            | 763493.000                   | 1993860.000 |  |
| GP-03-02            | 763511.000                   | 1993859.000 |  |
| GP-03-03            | 763524.765                   | 1993860.301 |  |
| GP-03-04            | 763539.812                   | 1993858.181 |  |
| GP-03-05            | 763552.698                   | 1993859.105 |  |
| GP-03-06            | 763453.903                   | 1993702.870 |  |
| GP-03-07            | 763440.000                   | 1993706.141 |  |
| GP-03-08            | 763423.380                   | 1993707.446 |  |
| GP-03-09            | 763413.139                   | 1993707.003 |  |
| GP-03-10            | 763402.664                   | 1993710.287 |  |
| <b><u>AOC 8</u></b> |                              |             |  |
| SB-08-01            | 763772.828                   | 1993172.796 |  |
| SB-08-02            | 763742.447                   | 1993180.985 |  |
| MW-08-01            | 763757.010                   | 1993157.160 |  |
| GP-08-01            | 763745.397                   | 1993097.697 |  |
| GP-08-02            | 763737.692                   | 1993089.878 |  |
| SV-08-01            | 763745.397                   | 1993097.697 |  |
| SV-08-02            | 763737.692                   | 1993089.878 |  |
| <b><u>AOC 9</u></b> |                              |             |  |
| MW-09-01            | 763562.000                   | 1992916.000 | Coordinates are estimated.                               |
| SB-09-01            | 763612.520                   | 1992842.650 |  |
| SB-09-02            | 763339.833                   | 1993220.180 |  |
| SB-09-03            | 763375.840                   | 1992942.247 |  |
| SB-09-04            | 763504.615                   | 1993019.224 |  |
| SS-09-01            | 763357.603                   | 1992948.599 |  |
| SS-09-02            | 763383.728                   | 1993188.696 |  |
| GP-09-01            | 763636.250                   | 1992853.580 |  |
| GP-09-02            | 763644.100                   | 1992868.560 |  |
| GP-09-03            | 763627.540                   | 1992882.130 |  |
| GP-09-04            | 763597.110                   | 1992861.780 |  |
| GP-09-05            | 763487.970                   | 1993083.747 |  |
| GP-09-06            | 763453.940                   | 1993035.200 |  |
| GP-09-07            | 763493.896                   | 1992996.573 |  |
| GP-09-08            | 763501.788                   | 1993066.735 |  |

**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

| SITE ID   | SITE COORDINATES |             | COMMENTS |                            |
|---|------------------|-------------|----------|----------------------------|
|   | EASTING          | NORTHING    |          |                            |
| <b><u>PAINT AND CHEMICAL STORAGE ROOM</u></b>             |                  |             |          |                            |
| GP-PC-01  | 763621.746       | 1992926.550 |          |                            |
| GP-PC-02  | 763605.470       | 1992911.005 |          |                            |
| GP-PC-03  | 763615.626       | 1992882.104 |          |                            |
| GP-PC-04  | 763633.572       | 1992890.181 |          |                            |
| SV-PC-01  | 763624.140       | 1992925.067 |          |                            |
| SV-PC-02  | 763608.223       | 1992908.899 |          |                            |
| SV-PC-03  | 763631.690       | 1992882.717 |          |                            |
| SV-PC-04  | 763633.030       | 1992899.637 |          |                            |
| SV-PC-05  | 763634.087       | 1992917.288 |          |                            |
| MW-1  | 763636.188       | 1992902.246 |          |                            |
| MW-2  | 763637.600       | 1992898.282 |          |                            |
| MW-3  | 763633.177       | 1992898.169 |          |                            |
| MW-4  | 763635.547       | 1992895.522 |          |                            |
| <b><u>PESTICIDE/HERBICIDE MIXING AND STORAGE AREA</u></b> |                  |             |          |                            |
| GP-PH-01  | 763790.000       | 1992949.000 |          | Coordinates are estimated. |
| GP-PH-02  | 763802.382       | 1992943.338 |          | Coordinates are estimated. |
| GP-PH-03  | 763819.559       | 1992962.085 |          |                            |
| SB-PH-01  | 763835.705       | 1992961.874 |          |                            |
| SV-PH-01  | 763791.000       | 1992947.000 |          |                            |
| SV-PH-02  | 763802.655       | 1992942.028 |          |                            |
| SV-PH-03  | 763807.868       | 1992962.305 |          |                            |
| SV-PH-04  | 763819.130       | 1992962.032 |          |                            |
| <b><u>OMS #9</u></b>                                      |                  |             |          |                            |
| GP-M9-01  | 764161.259       | 1992900.848 |          |                            |
| GP-M9-02  | 764156.551       | 1992915.616 |          |                            |
| GP-M9-03  | 764131.823       | 1992927.974 |          |                            |
| GP-M9-04  | 764061.765       | 1992896.766 |          |                            |
| GP-M9-05  | 764095.358       | 1992867.603 |          |                            |
| SB-M9-01  | 764156.035       | 1992901.833 |          |                            |
| SS-M9-01  | 764067.394       | 1992869.686 |          |                            |
| SV-M9-01  | 764160.523       | 1992900.855 |          |                            |
| SV-M9-02  | 764154.408       | 1992901.903 |          |                            |
| SV-M9-03  | 764157.617       | 1992909.530 |          |                            |
| SV-M9-04  | 764059.793       | 1992914.499 |          |                            |
| SV-M9-05  | 764057.686       | 1992895.918 |          |                            |
| SV-M9-06  | 764094.596       | 1992867.931 |          |                            |

**TABLE G-1  
GPS SURVEY DATA**

**FORT ALLEN PHASE I SITE INSPECTION  
JUANA DIAZ, PUERTO RICO**

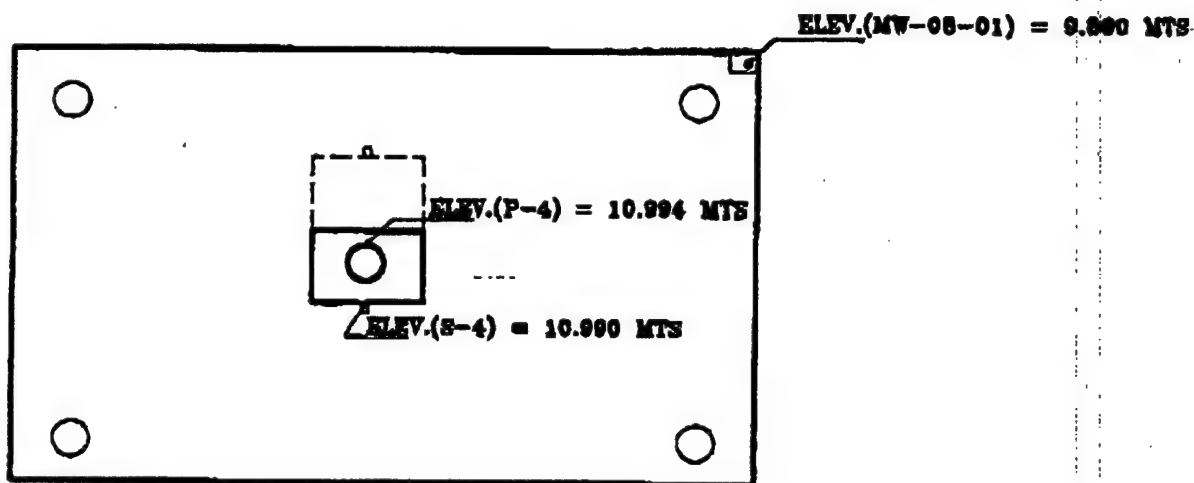
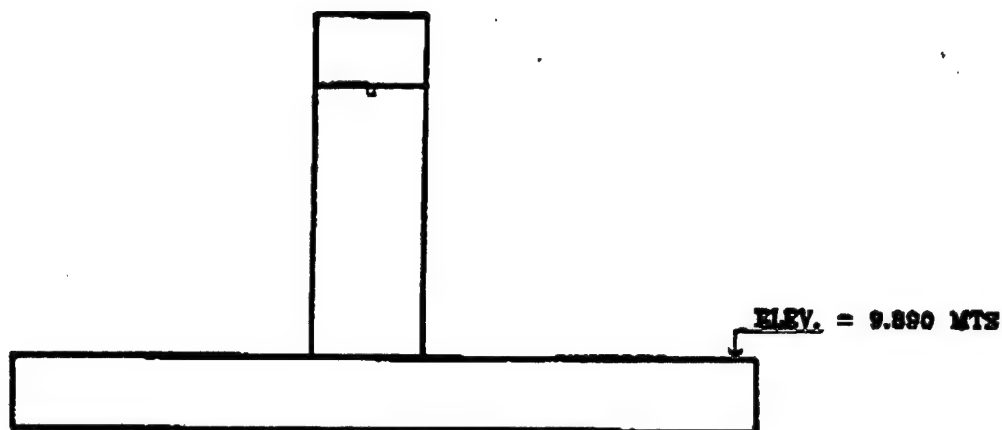
| SITE ID                                      | UTM COORDINATES <sup>1</sup> |             | COMMENTS <sup>2</sup>      |
|--|------------------------------|-------------|----------------------------|
|  | EASTING                      | NORTHING    |                            |
| <b><u>LEAKING ELECTRICAL TRANSFORMER</u></b> |                              |             |                            |
| SS-LE-01                                     | 764231.000                   | 1992778.000 | Coordinates are estimated. |
| SS-LE-02                                     | 764232.000                   | 1992778.000 | Coordinates are estimated. |
| <b><u>WASTEWATER TREATMENT PLANT</u></b>     |                              |             |                            |
| GP-WW-01                                     | 765195.813                   | 1992955.762 | Coordinates are estimated. |
| GP-WW-02                                     | 765200.818                   | 1992957.159 |                            |
| GP-WW-03                                     | 765233.408                   | 1992929.010 |                            |
| GP-WW-04                                     | 765238.000                   | 1992936.000 |                            |
| GP-WW-05                                     | 765242.343                   | 1992930.492 |                            |
| GP-WW-06                                     | 765246.363                   | 1992925.794 |                            |
| SS-WW-01                                     | 765243.915                   | 1992926.835 |                            |
| SV-WW-01                                     | 765199.851                   | 1992955.980 |                            |
| SV-WW-02                                     | 765233.293                   | 1992928.845 |                            |

NOTES:

- 1) Puerto Rico Datum.
- 2) All coordinates measured with Trimble Pro-XL GPS unit and radio beacon, unless otherwise noted.

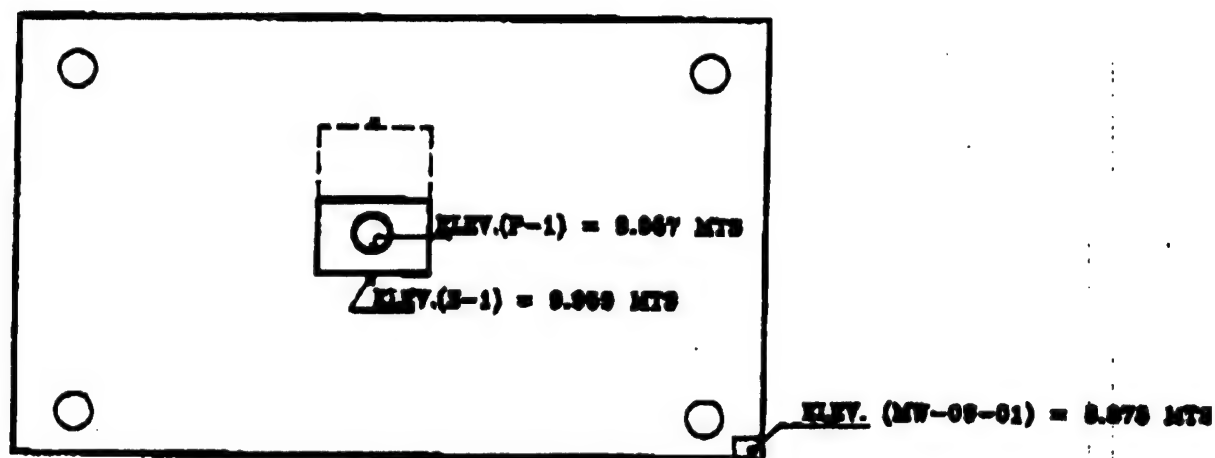
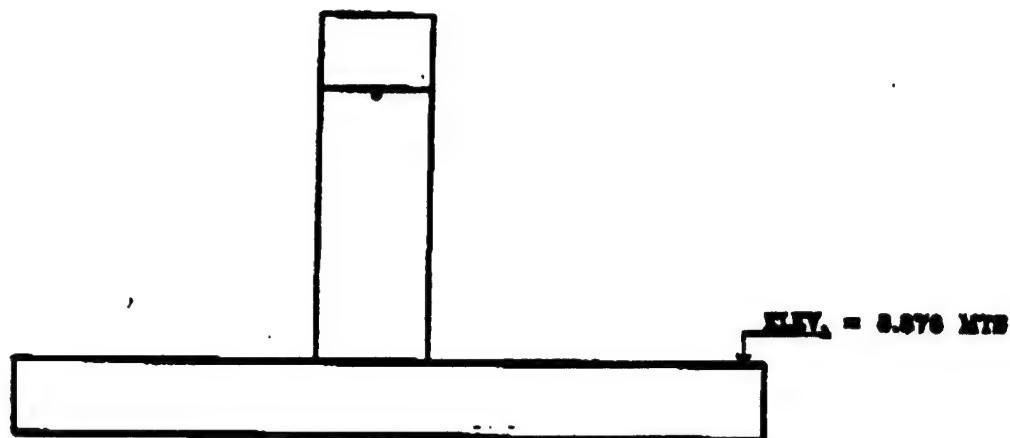


N.T.S.



MW-08-01

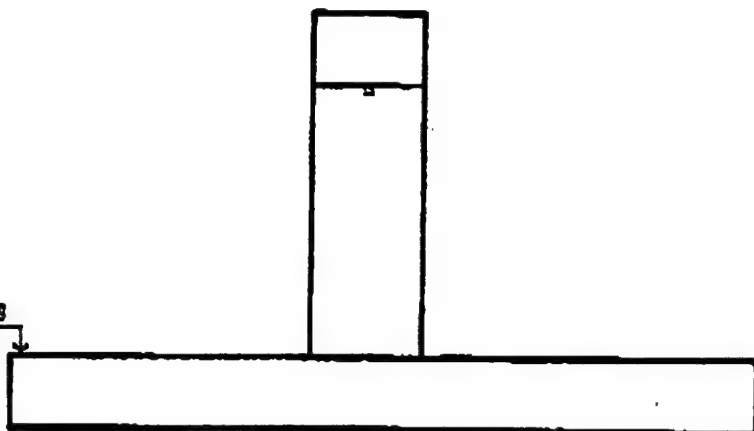
N.T.S.  
↓  
N



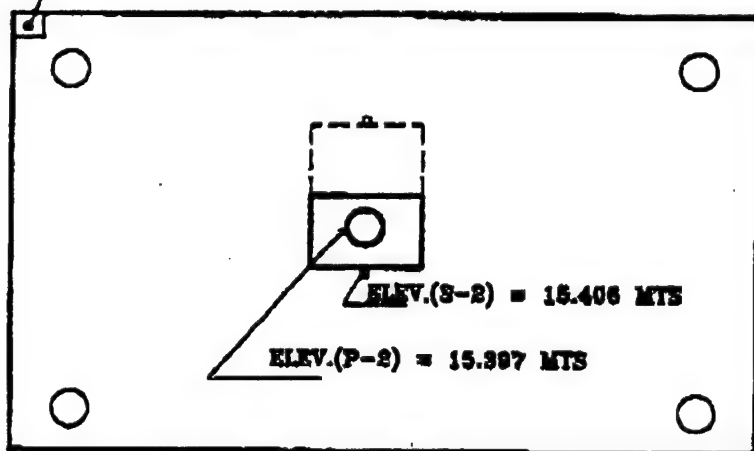
MW-09-01



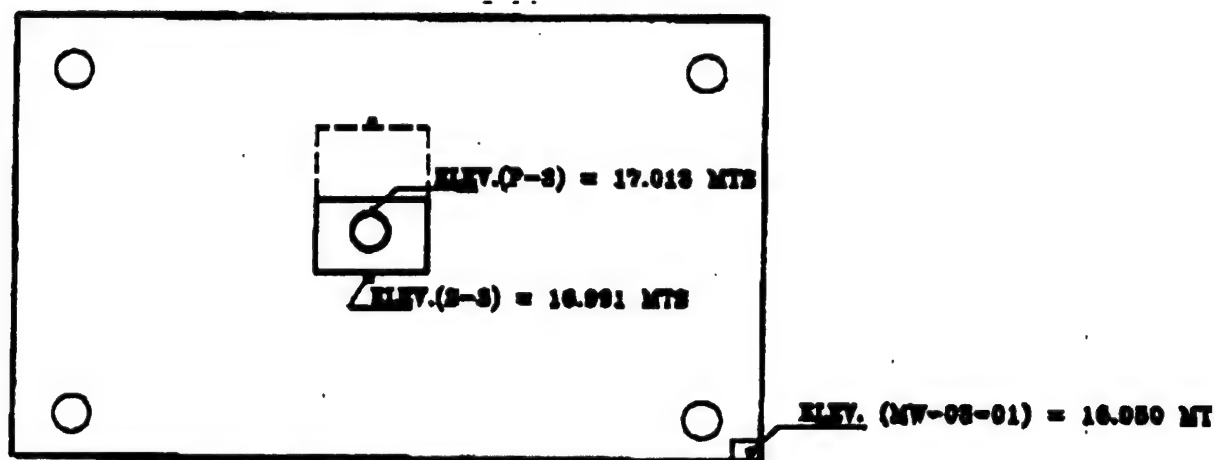
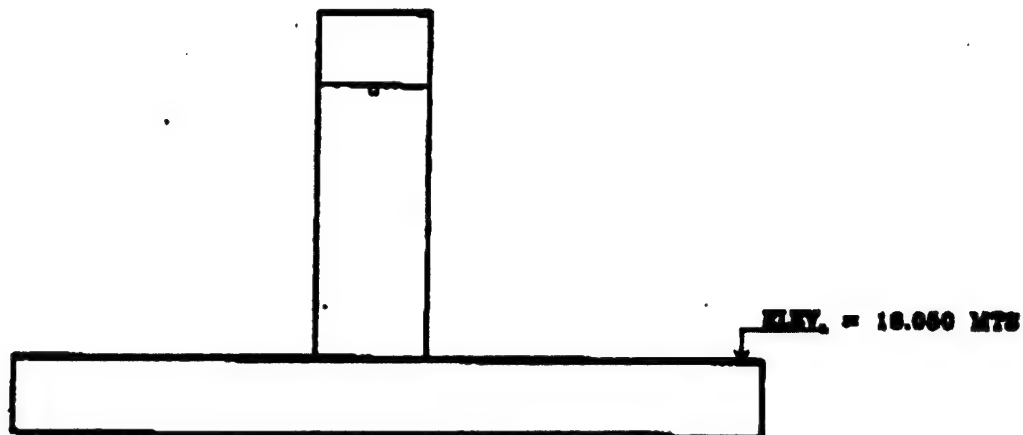
ELEV. = 14.487 MTS



ELEV. (MW-03-02) = 14.487 MTS



MW-03-02



MW-03-01



**PROJECT ANALYTE LIST/QUANTERRA REPORTING LIMITS**

Volatile Organics Target Compound List (TCL)

VMS1

| <u>Component</u>                 | <u>Reporting Limit (ua/L)</u> |
|----------------------------------|-------------------------------|
| Chloromethane                    | 1.0                           |
| Acetone                          | 5.0                           |
| Bromomethane                     | 1.0                           |
| Vinyl chloride                   | 1.0                           |
| Chloroethane                     | 1.0                           |
| Methylene chloride               | 1.0                           |
| 1,1-Dichloroethene               | 1.0                           |
| 1,1-Dichloroethane               | 1.0                           |
| 2-Hexanone                       | 5.0                           |
| 1,2-Dichloroethene ^ (cis/trans) | 1.0                           |
| Chlorobenzene                    | 1.0                           |
| 4-Methyl-2-pentanone ^ (MIBK)    | 5.0                           |
| Chloroform                       | 1.0                           |
| 1,2-Dichloroethane               | 1.0                           |
| 2-Butanone (MEK)                 | 15                            |
| Carbon disulfide                 | 1.0                           |
| 1,1,1-Trichloroethane            | 1.0                           |
| Carbon tetrachloride             | 1.0                           |
| Bromodichloromethane             | 1.0                           |
| 1,2-Dichloropropane              | 1.0                           |
| Trichloroethene                  | 1.0                           |
| Dibromochloromethane             | 1.0                           |
| cis-1,3-Dichloropropene          | 1.0                           |
| trans-1,3-Dichloropropene        | 1.0                           |
| 1,1,2-Trichloroethane            | 1.0                           |
| Benzene                          | 1.0                           |
| Bromoform                        | 1.0                           |
| 1,1,2,2-Tetrachloroethane        | 1.0                           |
| Tetrachloroethene                | 1.0                           |
| Toluene                          | 1.0                           |
| Ethylbenzene                     | 1.0                           |
| Styrene                          | 1.0                           |
| Xylenes (total)                  | 1.0                           |

Volatile Organics^Target Compound List (TCL)

VMS1

| <u>Component</u>             | <u>Reporting Limit (ug/am)</u> |
|------------------------------|--------------------------------|
| Toluene                      | 0.010                          |
| Acetone                      | 0.010                          |
| Benzene                      | 0.010                          |
| Bromodichloromethane         | 0.010                          |
| Bromoform                    | 0.010                          |
| Bromomethane                 | 0.010                          |
| 2-Butanone (MEK)             | 0.010                          |
| Carbon disulfide             | 0.010                          |
| Carbon tetrachloride         | 0.010                          |
| Chlorobenzene                | 0.010                          |
| Chloroethane                 | 0.010                          |
| Chloroform                   | 0.010                          |
| Chloromethane                | 0.010                          |
| Dibromochloromethane         | 0.010                          |
| 1,1-Dichloroethane           | 0.010                          |
| 1,2-Dichloroethane           | 0.010                          |
| 1,1-Dichloroethene           | 0.010                          |
| 1,2-Dichloroethene ^(total)  | 0.010                          |
| 1,2-Dichloropropane          | 0.010                          |
| cis-1,3-Dichloropropene      | 0.010                          |
| trans-1,3-Dichloropropene    | 0.010                          |
| Ethylbenzene                 | 0.010                          |
| 2-Hexanone                   | 0.010                          |
| Methylene chloride           | 0.010                          |
| 4-Methyl-2-pentanone ^(MIBK) | 0.010                          |
| Styrene                      | 0.010                          |
| 1,1,2,2-Tetrachloroethane    | 0.010                          |
| Tetrachloroethene            | 0.010                          |
| 1,1,1-Trichloroethane        | 0.010                          |
| 1,1,2-Trichloroethane        | 0.010                          |
| Trichloroethene              | 0.010                          |
| Vinyl chloride               | 0.010                          |
| Xylenes (total)              | 0.010                          |

Semivolatile Organics^Target Compound List (TCL)

SMV1

| <u>Component</u>             | <u>Reporting Limit (ug/L)</u> |
|------------------------------|-------------------------------|
| Acenaphthene                 | 10                            |
| Acenaphthylene               | 10                            |
| Anthracene                   | 10                            |
| Carbazole                    | 10                            |
| Benzo(a)anthracene           | 10                            |
| Benzo(b)fluoranthene         | 10                            |
| Benzo(k)fluoranthene         | 10                            |
| Benzo(g,h,i)perylene         | 10                            |
| Benzo(a)pyrene               | 10                            |
| 4-Bromophenyl^phenyl ether   | 10                            |
| Butyl benzyl phthalate       | 10                            |
| 4-Chloroaniline              | 10                            |
| bis(2-Chloroethoxy)^methane  | 10                            |
| bis(2-Chloroethyl) ether     | 10                            |
| bis(2-Chloroisopropyl)^ether | 10                            |
| p-Chloro-m-cresol            | 10                            |
| 2-Chloronaphthalene          | 10                            |
| 2-Chlorophenol               | 10                            |
| 4-Chlorophenyl ^phenyl ether | 10                            |
| Chrysene                     | 10                            |
| Dibenz(a,h)anthracene        | 10                            |
| Dibenzofuran                 | 10                            |
| Di-n-butyl phthalate         | 10                            |
| 1,2-Dichlorobenzene          | 10                            |
| 1,3-Dichlorobenzene          | 10                            |
| 1,4-Dichlorobenzene          | 10                            |
| 3,3'-Dichlorobenzidine       | 10                            |
| 2,4-Dichlorophenol           | 10                            |
| Diethyl phthalate            | 10                            |
| 2,4-Dimethylphenol           | 10                            |
| Dimethyl phthalate           | 10                            |
| 4,6-Dinitro-^2-methylphenol  | 25                            |
| 2,4-Dinitrophenol            | 80                            |
| 2,4-Dinitrotoluene           | 10                            |
| 2,6-Dinitrotoluene           | 10                            |
| Di-n-octyl phthalate         | 10                            |
| bis(2-Ethylhexyl)^phthalate  | 35                            |
| Fluoranthene                 | 10                            |
| Fluorene                     | 10                            |
| Hexachlorobenzene            | 10                            |
| Hexachlorobutadiene          | 10                            |
| Hexachlorocyclopentadiene    | 10                            |
| Hexachloroethane             | 10                            |
| Indeno(1,2,3-cd)pyrene       | 10                            |
| Isophorone                   | 10                            |
| 2-Methylnaphthalene          | 10                            |
| 2-Methylphenol               | 10                            |
| 4-Methylphenol               | 10                            |
| Naphthalene                  | 10                            |
| 2-Nitroaniline               | 25                            |

24 OCT 96

Page 2

Semivolatile Organics^Target Compound List (TCL)

SMV1

| <u>Component</u>           | <u>Reporting Limit (ua/L)</u> |
|----------------------------|-------------------------------|
| 3-Nitroaniline             | 25                            |
| 4-Nitroaniline             | 25                            |
| Nitrobenzene               | 10                            |
| 2-Nitrophenol              | 10                            |
| 4-Nitrophenol              | 25                            |
| N-Nitrosodiphenylamine     | 10                            |
| N-Nitroso-di-n-propylamine | 10                            |
| Pentachlorophenol          | 25                            |
| Phenanthrene               | 10                            |
| Phenol                     | 10                            |
| Pyrene                     | 10                            |
| 1,2,4-Trichlorobenzene     | 10                            |
| 2,4,5-Trichlorophenol      | 25                            |
| 2,4,6-Trichlorophenol      | 10                            |

8270-USATHAMA-A

SMV2

| <u>Component</u>             | <u>Reporting Limit (ua/am)</u> |
|------------------------------|--------------------------------|
| Phenol                       | 0.33                           |
| bis(2-Chloroethyl) ether     | 0.33                           |
| 2-Chlorophenol               | 0.33                           |
| 1,3-Dichlorobenzene          | 0.33                           |
| 1,4-Dichlorobenzene          | 0.33                           |
| 1,2-Dichlorobenzene          | 0.33                           |
| 2-Methylphenol               | 0.33                           |
| bis(2-Chloroisopropyl)^ether | 0.33                           |
| 4-Methylphenol               | 0.33                           |
| N-Nitroso-di-^n-propylamine  | 0.33                           |
| Hexachloroethane             | 0.33                           |
| Nitrobenzene                 | 0.33                           |
| Isophorone                   | 0.33                           |
| 2-Nitrophenol                | 0.33                           |
| 2,4-Dimethylphenol           | 0.33                           |
| bis(2-Chloroethoxy)^methane  | 0.33                           |
| 2,4-Dichlorophenol           | 0.33                           |
| 1,2,4-Trichlorobenzene       | 0.33                           |
| Naphthalene                  | 0.33                           |
| 4-Chloroaniline              | 0.33                           |
| Hexachlorobutadiene          | 0.33                           |
| p-Chloro-m-cresol            | 0.33                           |
| 2-Methylnaphthalene          | 0.33                           |
| Hexachlorocyclopentadiene    | 0.33                           |
| 2,4,6-Trichlorophenol        | 0.33                           |
| 2,4,5-Trichlorophenol        | 0.80                           |
| 2-Chloronaphthalene          | 0.33                           |
| 2-Nitroaniline               | 0.80                           |
| Dimethyl phthalate           | 0.33                           |
| Acenaphthylene               | 0.33                           |
| 3-Nitroaniline               | 0.80                           |
| Acenaphthene                 | 0.33                           |
| 2,4-Dinitrophenol            | 0.80                           |
| 4-Nitrophenol                | 0.80                           |
| Dibenzofuran                 | 0.33                           |
| 2,4-Dinitrotoluene           | 0.33                           |
| 2,6-Dinitrotoluene           | 0.33                           |
| Diethyl phthalate            | 0.33                           |
| 4-Chlorophenyl ^phenyl ether | 0.33                           |
| Fluorene                     | 0.33                           |
| 4-Nitroaniline               | 0.80                           |
| 4,6-Dinitro-^2-methylphenol  | 1.0                            |
| N-Nitrosodiphenylamine       | 0.33                           |
| 4-Bromophenyl^phenyl ether   | 0.33                           |
| Hexachlorobenzene            | 0.33                           |
| Pentachlorophenol            | 0.80                           |
| Phenanthrene                 | 0.33                           |
| Anthracene                   | 0.33                           |
| Carbazole                    | 0.33                           |
| Di-n-butyl phthalate         | 0.33                           |

TCL Semivolatile Organics

SMV2

| <u>Component</u>            | <u>Reporting Limit (ug/cm)</u> |
|-----------------------------|--------------------------------|
| Fluoranthene                | 0.33                           |
| Pyrene                      | 0.33                           |
| Butyl benzyl phthalate      | 0.33                           |
| 3,3'-Dichlorobenzidine      | 0.33                           |
| Benzo(a)anthracene          | 0.33                           |
| bis(2-Ethylhexyl)^phthalate | 0.33                           |
| Chrysene                    | 0.33                           |
| Di-n-octyl phthalate        | 0.50                           |
| Benzo(b)fluoranthene        | 0.33                           |
| Benzo(k)fluoranthene        | 0.50                           |
| Benzo(a)pyrene              | 0.33                           |
| Indeno(1.2.3-cd)pyrene      | 0.50                           |
| Dibenz(a,h)anthracene       | 0.60                           |
| Benzo(g,h,i)perylene        | 0.60                           |



11/5/96

### AEC Metals Methods and Reporting Limits

| Method      | Method Description | Element   | Soil Reporting Limit (ug/gm) | Water Reporting Limit (ug/L) |
|-------------|--------------------|-----------|------------------------------|------------------------------|
| ICM1        | ICP/MS             | Antimony  | 0.2                          | 1.0                          |
| ICM1        | ICP/MS             | Arsenic   | 1.0                          | 5.0                          |
| ICM1        | ICP/MS             | Beryllium | 0.2                          | 1.0                          |
| ICM1        | ICP/MS             | Cadmium   | 0.2                          | 1.0                          |
| ICP1 & ICP2 | ICP                | Aluminum  | 280                          | 200                          |
| ICP1 & ICP2 | ICP                | Barium    | 40                           | 200                          |
| ICP1 & ICP2 | ICP                | Calcium   | 1000                         | 5000                         |
| ICP1 & ICP2 | ICP                | Chromium  | 3                            | 10                           |
| ICP1 & ICP2 | ICP                | Cobalt    | 10                           | 50                           |
| ICP1 & ICP2 | ICP                | Copper    | 5                            | 25                           |
| ICP1 & ICP2 | ICP                | Iron      | 280                          | 100                          |
| ICP1 & ICP2 | ICP                | Magnesium | 1000                         | 1000                         |
| ICP1 & ICP2 | ICP                | Manganese | 7                            | 15                           |
| ICP1 & ICP2 | ICP                | Nickel    | 8                            | 40                           |
| ICP1 & ICP2 | ICP                | Potassium | 1000                         | 5000                         |
| ICP1 & ICP2 | ICP                | Silver    | 2                            | 10                           |
| ICP1 & ICP2 | ICP                | Sodium    | 1000                         | 5000                         |
| ICP1 & ICP2 | ICP                | Vanadium  | 10                           | 50                           |
| ICP1 & ICP2 | ICP                | Zinc      | 4                            | 20                           |
| GPB1        | GFAA               | Lead      | 1                            | 3                            |
| GSE1        | GFAA               | Selenium  | 1                            | 5                            |
| GTL1        | GFAA               | Thallium  | 2                            | 10                           |

Note: ICP1 applies only to soil samples and ICP2 only to waters.



30 OCT 96

Page 1

Mercury, Cold Vapor AA (Total)

HGC1

Component

Reporting Limit (ug/L)

Mercury

0.20

HG-CVAA-USATHAMA-AT

24 OCT 96

Page 1

Mercury, Cold Vapor AA

HGC1

Component

Reporting Limit (ug/am)

Mercury

0.20

HG-CVAA-USATHAMA-S

30 OCT 96

Page 1

Gasoline Range Organics and Selected Components

API GRO

| <u>Component</u>        | <u>Reporting Limit (ug/L)</u> |
|-------------------------|-------------------------------|
| Benzene                 | 0.50                          |
| Toluene                 | 0.50                          |
| Ethylbenzene            | 0.50                          |
| Xylenes (total)         | 0.50                          |
| Gasoline Range Organics | 10                            |

8020-GRO-AP

29 OCT 96

Page 1

Gasoline Range Organics and Selected Components

API GRO

| <u>Component</u>        | <u>Reporting Limit (mg/kg)</u> |
|-------------------------|--------------------------------|
| Benzene                 | 0.025                          |
| Toluene                 | 0.025                          |
| Ethylbenzene            | 0.025                          |
| Xylenes (total)         | 0.025                          |
| Gasoline Range Organics | 0.50                           |

8020-GRO-S

29 OCT 96

Page 1

Extractable Petroleum Hydrocarbons

GC/FID

| <u>Component</u>      | <u>Reporting Limit (mg/L)</u> |
|-----------------------|-------------------------------|
| Diesel Range Organics | 0.10                          |

DRO-FID-A

29 OCT 96

Page 1

Extractable Petroleum Hydrocarbons

GC/FID

Component

Reporting Limit (mg/kg)

Diesel Range Organics

4.0

DRO-FID-S

29 OCT 96

Page 1

Halogenated Volatile Organics

8010

| <u>Component</u>                                    | <u>Reporting Limit (ug/kg)</u> |
|---|--------------------------------|
| Chloromethane                                       | 500                            |
| Bromomethane  | 500                            |
| Vinyl chloride                                      | 100                            |
| Chloroethane  | 500                            |
| Methylene chloride                                  | 500                            |
| 1,1-Dichloroethene                                  | 50                             |
| 1,1-Dichloroethane                                  | 50                             |
| trans-1,2-Dichloroethene                            | 50                             |
| Chloroform  | 50                             |
| 1,1,2-Trichloro-1,2,2- <sup>^</sup> trifluoroethane | 100                            |
| 1,2-Dichloroethane                                  | 100                            |
| 1,1,1-Trichloroethane                               | 50                             |
| Carbon tetrachloride                                | 50                             |
| Bromodichloromethane                                | 100                            |
| 1,2-Dichloropropane                                 | 100                            |
| trans-1,3-Dichloropropene                           | 100                            |
| Trichloroethene                                     | 50                             |
| Dibromochloromethane                                | 100                            |
| cis-1,3-Dichloropropene                             | 200                            |
| 1,1,2-Trichloroethane                               | 100                            |
| EDB (1,2-Dibromoethane)                             | 200                            |
| Bromoform   | 500                            |
| 1,1,2,2-Tetrachloroethane                           | 100                            |
| Tetrachloroethene                                   | 50                             |
| Chlorobenzene                                       | 200                            |

8010-S

29 OCT 96

Page 1

Oil & Grease, Gravimetric

E413.1

Component

Reporting Limit (mg/kg)

Oil and Grease

100

O&G-G-S



**IMMUNOASSAY TEST RESULTS AND MANUFACTURER'S  
INSTRUCTIONS**

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**ABB Environmental Services, Inc.**

**TABLE I-1**  
**SUMMARY OF IMMUNOASSAY TEST RESULTS**

**FORT ALLEN PHASE I SITE INSPECTION**  
**JUANA DIAZ, PUERTO RICO**

| <b>SITE ID</b> | <b>FIELD SAMPLE NUMBER</b> | <b>ANALYSES</b> | <b>MANUFACTURER OF TEST KIT</b> | <b>ANALYTICAL RESULTS</b> |
|----------------|----------------------------|-----------------|---------------------------------|---------------------------|
| GP-PC-01       | PPC0110X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PC-02       | PPC0210X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PC-03       | PPC0310X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PC-04       | PPC0410X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PH-01       | PPH0104X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PH-02       | PPH0204X                   | BTEX            | D-Tech                          | 11-20 ppm                 |
| GP-PH-03       | PPH0304X                   | BTEX            | D-Tech                          | <2.5 ppm                  |
| GP-PH-01       | PPH0104X                   | PCBs            | D-Tech                          | <0.5 ppm                  |
| GP-PH-02       | PPH0204X                   | PCBs            | D-Tech                          | <0.5 ppm                  |
| GP-PH-03       | PPH0304X                   | PCBs            | D-Tech                          | <0.5 ppm                  |
| GP-PH-01       | PPH0104X                   | DDT             | ENSYS, Inc.                     | 2)                        |
| GP-PH-02       | PPH0204X                   | DDT             | ENSYS, Inc.                     | 2)                        |
| GP-PH-03       | PPH0304X                   | DDT             | ENSYS, Inc.                     | 2)                        |
| GP-PH-01       | PPH0104X                   | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |
| GP-PH-01       | PPH0104X <sup>1</sup>      | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |
| GP-PH-02       | PPH0204X                   | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |
| GP-PH-02       | PPH0204X <sup>1</sup>      | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |
| GP-PH-03       | PPH0304X                   | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |
| GP-PH-03       | PPH0304X <sup>1</sup>      | Chlordane       | ENSYS, Inc.                     | <.020 ppm                 |

NOTES: 1) Duplicate analysis, run concurrently with original analysis.

2) See Section 3.2 of the Phase I Site Inspection Report for a discussion of the immunoassay DDT analyses and results.

ppm = parts per million

**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH™ BTEX Soil Extraction Pac is designed to extract BTEX from soil samples. This extract is analyzed using the D TECH BTEX Test Kit (Item #TK-1003-1).

**PRINCIPLE**

BTEX (Benzene, Toluene, Ethylbenzene, and Xylene) are considered some of the most toxic components of petroleum products. Due to their solubility in water, along with their relatively low soil adsorption coefficients, they can easily migrate into the groundwater. A major environmental concern arises from spill contamination problems, especially from UST's (underground storage tanks). The presence of these compounds in excess of state defined levels is an indication of contaminated soil. To assay these compounds, it is necessary to first extract them from the soil.

The D TECH BTEX Soil Extraction Pac uses methanol to extract BTEX for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be analyzed with the D TECH BTEX Test Kit (Item #TK-1003-1).

**KIT DESCRIPTION**

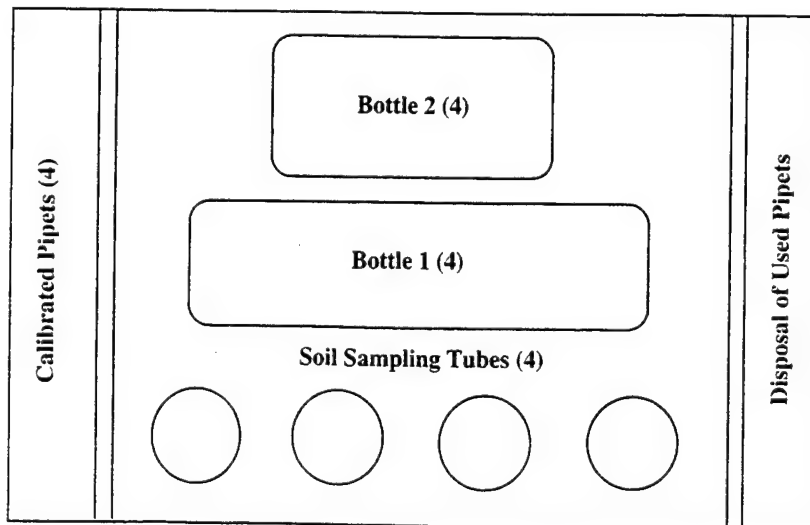
The D TECH BTEX Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

**STORAGE/STABILITY**

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

**MATERIALS PROVIDED:**

See tray diagram below. This diagram includes the D TECH BTEX Soil Extraction Pac component names and quantity of each item.

**Not Shown In Diagram**

Used Kit Label (1)

Instruction Guide (1)

Red dot labels (4)  
for used Bottle 2 components.

**HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

**PROTECT EYES WITH SAFETY GLASSES  
PROTECT SKIN WITH PROTECTIVE GLOVES****BTEX Bottle 1 (51605) 100% METHANOL****Associated Hazards**

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Harmful Vapor.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

**Symptoms of Exposure**

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on the embryo or fetus have been reported from prolonged exposure to methyl alcohol (methanol) in laboratory tests involving pregnant rats.

**First Aid Measures****GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

**BTEX Bottle 2 (51606) Azide in buffer****Associated Hazards**

May be irritating to skin, eyes, and mucous membranes.

**Symptoms of Exposure**

May be irritating on contact with skin, eyes, or mucous membranes.

**First Aid Measures****GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

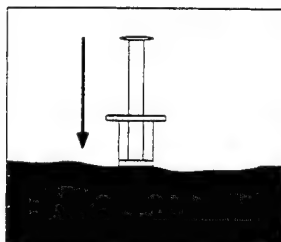
Ingestion: Get immediate medical attention; if conscious, give water freely.

This package is designed to serve as a **WORK STATION**. At the conclusion of the test, the components can be left in the package for proper disposal.

### TEST PROCEDURE

## Sampling

**Step 1:** Break up the soil so that it is a **uniform** sample. See Sample Preparation Information (page 4) for further instructions. Draw back the **Soil Sampling Tube** plunger until it stops. Push the **Soil Sampling Tube** into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from the external surface of the sampling tube and barrel end. **Two (2) soil plugs are required for the BTEX extraction.** It is recommended that both plugs be drawn sequentially with the same plunger.

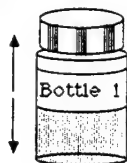


**Step 2:** Two (2) soil plugs are required for the BTEX extraction. Dispense each soil plug into **Bottle 1** by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.



## Extraction From Soil

**Step 3:** Mix the soil and liquid in **Bottle 1** by **shaking** vigorously for **1 minute**.



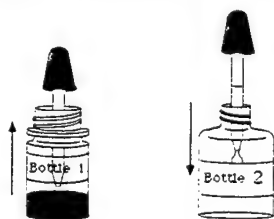
**Step 4:** Allow the soil to settle for approximately **3 minutes**. Some soils will settle more slowly than others.



## Diluting the Extraction Solution

**Step 5:** Remove the cap from **Bottle 2**.

**Step 6:** Using the 0.5 mL **Calibrated Pipet**, remove **0.5 mL** of the liquid layer from **Bottle 1** and dispense it into **Bottle 2**; mix well. Replace the cap tightly on **Bottle 1** and return to tray. Place the used pipet in the right side tray compartment.



**Step 7:** Use **Bottle 2** as sample in Step 1 under **Test Procedure** for analysis in the D TECH BTEX Test Kit (Item #TK-1003-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it shut.

**Helpful Hint:** Cap **Bottle 2** tightly and return to tray. Red dot labels have been provided to indicate used **Bottle 2** components.

## SAMPLE COLLECTION AND PREPARATION INFORMATION

### **COLLECTION**

Soil samples should be collected using standard BTEX site sampling protocols such as the EPA SW-846 or various state defined methods. Due to the volatility of BTEX, samples should be collected in a glass container with a Teflon™-lined screw-top lid taking care to minimize the headspace (the airspace above the sample). Exposure to high temperature, sunlight, chemical or biological degradation and open air should be avoided. All unanalyzed samples should be stored and transported on ice.

### **PREPARATION**

To achieve a more homogeneous soil distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Exposure to the open air during mixing should be minimized. Remove all debris such as sticks, stones and leaves prior to using the **D TECH Soil Sampling Tube**. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of BTEX is more effective if the soil plug is broken into sections during its addition to Bottle 1.

Methanol has been proven to be an efficient BTEX extractant. Due to the volatile nature of both the methanol and BTEX compounds, all bottles should be kept capped to minimize evaporation.

### VOLUME SAMPLING TECHNIQUE

The D TECH BTEX Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the D TECH **Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

### QUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specification.

#### **GENERAL LIMITED WARRANTY**

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

**EM SCIENCE/Strategic Diagnostics Inc.**  
480 Democrat Road  
P.O. Box 70  
Gibbstown, N.J. 08027  
(800) 222-0342

**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH® BTEX (Benzene, Toluene, Ethylbenzene and Xylene) on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH® BTEX test kit can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis.

**PRINCIPLE**

The D TECH® system for analyzing trace amounts of BTEX utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the unique antibody selectivity with a sensitive non-enzymatic color indicator system, very low concentrations (ppm, ppb) of target compound can be determined. The color formed is inversely related to BTEX concentration. In this assay, the antibody recognizes the BTEX compounds as a class. See the D TECH® brochure "Immunoassay Comes To Environmental Testing" for a detailed explanation of the unique immunoassay format used.

**TEST KIT DESCRIPTION**

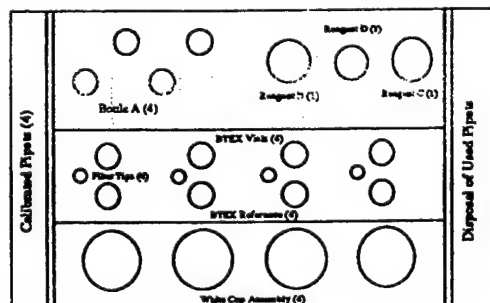
The D TECH® BTEX Test Kit, Item #TK-1008-1, contains sufficient materials to perform four (4) tests. This kit can test water samples or be used with the D TECH® BTEX Soil Extraction Pac, Item # TK-1003S-1, to test soil samples. The BTEX Soil Extraction Pac contains only the materials needed to extract BTEX from soil for semiquantitation with this D TECH® BTEX Test Kit. The results can be obtained by using the enclosed Color Card or the DTECHTOR Meter, Item # TK-1001M-1.

**STORAGE AND STABILITY**

This kit has a working temperature range from 45° to 100°F (7° to 38°C) and should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. The user should note the date of receipt and the storage conditions of the kit(s) directly on the kit box(es). For expiration dating under various storage conditions, see the package label.

**MATERIALS PROVIDED**

See the tray diagram below. This diagram includes the kit component names and quantity of each item.

**Not shown in diagram**

Used Kit Label (1)  
Instruction Guide (1)  
Color Card (1)  
Data Labels (4) for Cup Assembly  
Red Dot Labels (4) for identifying  
used Bottle A components

**ACCESSORIES SUPPLIED BY USER**

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)



**Important:** Once the test is initiated, all steps must be executed sequentially without stopping. Please read all the Health and Safety Comments on page 7 prior to use.

**Note:** This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

**Note:** BTEX is highly volatile. For accurate results, follow appropriate sample collection, storage and handling techniques.

**Step 1:** Choose the corresponding sample type to determine Step 1.

**SOIL SAMPLE:** After completing the sample extraction using the directions in the D TECH® BTEX Soil Extraction Pac, use a clean calibrated pipet to transfer 0.5 mL of the Bottle 2 solution from the Extraction Pac to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times. Replace the cap on Bottle 2 and set aside.

**WATER SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the water sample to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times.

**Note:** The vials in the next two steps need to stand 5 minutes (+/- 30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

**Step 2:** Squeeze Bottle A filling the BTEX Test Vial (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion. Immediately proceed to step 3.

**Step 3:** Squeeze the contents of Reagent C (white cap) to fill the BTEX Reference Vial (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

**Note:** Reconstitute the REFERENCE VIAL IMMEDIATELY after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

**Step 4:** After 5 minutes (+/- 30 seconds) pour the contents of the BTEX Test Vial into the T (test) side of the cup assembly. Immediately pour the contents of the Reference Vial into the R side of the cup assembly. Allow the liquid to drain completely on both sides.

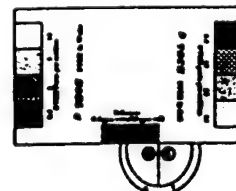
**Note:** The next two (2) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

**Note:** The first time the kit is used, Reagent B must be reconstituted by filling the bottle up to the line (2.5 mL) with Reagent C (white cap). Invert three (3) times, then record the date on the bottle label. This reconstituted reagent can be used for up to one month when stored at room temperature or for up to two weeks at 37°C.

**Step 5:** Shake the reconstituted Reagent B bottle gently and open by squeezing the sides of the blue cap. Add 5 drops (+/- 1 drop) of Reagent B solution into each side of the cup assembly. Be sure to add this solution immediately to the second well after addition to the first well. Allow the liquid to drain completely.

**Step 6:** Add 5 drops (+/- 1 drop) of Reagent D solution (yellow cap) into each side of the cup assembly. Allow the wells to drain completely. Determine BTEX concentration of the sample.

**Note:** The reference R (left) side of the cup assembly functions as a procedural control. Compare the color produced in the reference well to the reference bar on the Color Card. The color of the well should approximate the color of the reference bar, indicating the test procedure was properly executed.



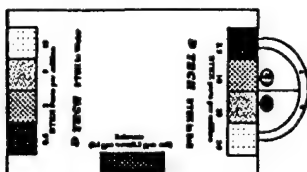
**Note:** The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of Reagent D.



## DETERMINING BTEX CONCENTRATION

The results from the DTECH® BTEX Test Kit can be interpreted using either the Color Card supplied with the kit or the DTECHTOR and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required.

**COLOR CARD:** Match the color on the T side of the cup assembly to the appropriate section of the Color Card, e.g., a soil sample result should be compared to the soil panel of colors.



**the DTECHTOR:** Determine the % relative reflectance using the DTECHTOR. (See the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of BTEX in the sample. Record the result on a Cup Assembly label and apply the label to the cup.

the DTECHTOR Table

| Sample | the DTECHTOR Reading | BTEX Equivalents (ppm) |
|--------|----------------------|------------------------|
| Soil   | LO                   | < 2.5                  |
|        | 1 - 20               | 2.5 - 5.0              |
|        | 21 - 35              | 5.1 - 10               |
|        | 36 - 60              | 11 - 20                |
|        | 61 - 75              | 21 - 35                |
|        | HI                   | > 35                   |
| Water  | LO                   | < 0.6                  |
|        | 1 - 10               | 0.6 - 1.0              |
|        | 11 - 35              | 1.1 - 2.5              |
|        | 35 - 55              | 2.6 - 5.0              |
|        | 55 - 75              | 5.1 - 10               |
|        | HI                   | > 10                   |

## the DTECHTOR Meter Set Up

the DTECHTOR must be calibrated each time the meter is turned on. A Calibrator is provided with the meter for this purpose. The Calibrator must be clean and white to insure valid results.

*Note: To obtain best results, do not take DTECHTOR readings in direct sunlight.*

**Step 1:** Insert the Calibrator into the Meter Head and hold firmly in place. ....

(ZERO)

**Step 2:** Press the Square Button 1 time. When calibration is complete the meter will display. ....

(SET)

**Step 3:** Remove the Calibrator and return it to its protective canister. The display remains. ....

(SET)

**Step 4:** Press the Square Button 1 time to select meter program #1 (the Program to be used for this DTECH® test kit). ....

(SET#1)

**Step 5:** Insert the Cup Assembly (test) into the Meter Head and firmly hold in place. ...

(TEST#1)

*Note: The #1 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.*

**Step 6:** Press the Square Button 1 time. ...

(---

Obtain the meter reading. For example. ...

(46%)

**Step 7:** Record the result, then press the Square Button 1 time while holding the Cup Assembly in place. ....

(---

**Step 8:** (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer).

**Step 9:** Remove the Cup Assembly. ....

(SET#1)

**Step 10:** Insert the next Cup Assembly (test) and repeat Steps 5 - 9.

**PRECAUTIONS AND PROCEDURAL NOTES**

- The test should be run at a temperature range of 45° to 100° F (7° to 38° C).
- The kit may be stored at a temperature range of 40° to 100° F (4° to 38° C). Storage at higher temperatures may damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information.
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Due to the volatility of the BTEX compounds, special sample collection, handling and storage techniques are required. To minimize BTEX losses in the sample, site sampling protocols such as the EPA SW-846 or various state defined methods should be followed. Special attention should be paid to:
  - minimizing sample exposure to air.
  - eliminating headspace in the sample container by filling it to the top with sample.
  - using Teflon<sup>®</sup> lined screw cap sample containers.
  - storing samples at 35° - 45° F (2° - 8° C) until analysis.
- Although this kit has been designed to compensate for naturally occurring sample pH imbalances, intentionally acidified samples CANNOT be used with this test. Samples should be tested prior to acidification.
- SALT WATER samples (ocean, sea, etc.) require a special sample preparation step. Please contact our technical service hotline at 800-222-0342 for further information.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.
- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1. This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.
- Allow ample time for the soil to settle in Bottle 1. A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This immunoassay test uses a unique color development step that does not utilize an enzyme. By removing the enzyme from the test, temperature dependency has virtually been eliminated. Nonetheless, for best results, the test should be run between 45° and 100°F (7° and 38° C).
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent D (Page 2 Step 6).
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.

## INTERPRETATION OF THE SOIL & WATER TESTS

Sample volatility is a major consideration with BTEX analyses. Studies have shown sample concentrations can decrease within hours if proper sample collection, storage and handling procedures are not followed. For the most accurate results and subsequent site characterization, we recommend analyzing BTEX samples within twenty-four (24) hours of collection.

The D TECH® BTEX Test Kit reports results as BTEX equivalents in a soil or water sample. This kit primarily detects ethylbenzene, toluene and o-xylene and reacts well with m-xylene, p-xylene and benzene. The test has been standardized against a mixture of benzene, ethylbenzene, toluene and xylenes blended in the average ratio found in gasoline.

A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. For the most accurate results, pre-characterize the site, identifying all contaminants, by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the site contamination consists primarily of a BTEX mixture, similar to a gasoline source, the test will accurately define the BTEX concentration range. If the site contains BTEX along with a compound that displays cross reactivity, the test will slightly overestimate the BTEX concentration range.

Sample volatility and heterogeneity, sampling technique, extraction efficiency and sample matrix effects all contribute to the variability in the D TECH® BTEX test. To obtain a 96% level of confidence in the results, the user must allow an interval of  $\pm 18\%$  of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

## RELIABILITY

Studies have shown the D TECH® BTEX Test Kit to yield less than 1% false negatives and less than 6% false positives in soils and less than 1% false negatives and less than 8% false positives in waters throughout the working range of the kit.

## SENSITIVITY

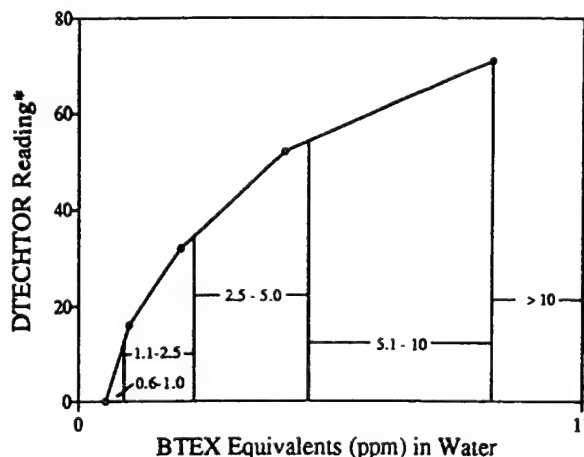
The D TECH® BTEX Test Kit can be used to measure BTEX in the following ranges:

| Sample      | the DTECHTOR | Color Card |
|-------------|--------------|------------|
| Soil (ppm)  | 2.5 - 35     | 2.5 - 35   |
| Water (ppm) | 0.6 - 10     | 0.6 - 10   |

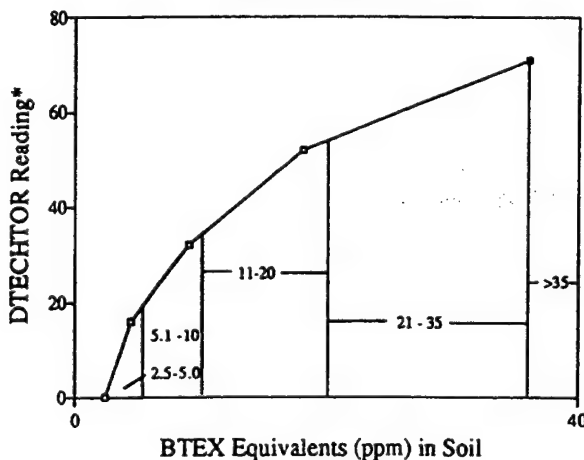
The Minimum Detection Limit (MDL) of the BTEX test is 2.5 ppm in soil and 0.6 ppm in water. A 96% confidence level occurs at 3.0 ppm in soil and 0.9 ppm in water

## BTEX STANDARD CURVES

D TECH BTEX Test Kit  
Water Standard Curve



D TECH BTEX Test Kit  
Soil Standard Curve



\*Percent Reflectance Relative to Reference

**PERFORMANCE CHARACTERISTICS****SPECIFICITY**

The D TECH® BTEX Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. Samples testing positive for BTEX should be further characterized by approved methods. The D TECH® BTEX Test Kit has been designed to minimize the effect of environmental interferences.

| Compound            | MDL <sup>a</sup><br>(ppm) | Cross <sup>b</sup><br>reactivity |
|---------------------|---------------------------|----------------------------------|
| BTEX                | 0.6                       | 100                              |
| ethylbenzene        | 0.6                       | 100                              |
| toluene             | 0.6                       | 100                              |
| o-xylene            | 0.6                       | 100                              |
| m-xylene            | 1.4                       | 48                               |
| p-xylene            | 1.3                       | 45                               |
| benzene             | 1.2                       | 39                               |
| chlorobenzene       | 5                         | 32                               |
| naphthalene         | 11                        | 14                               |
| benzo (a) pyrene    | 6                         | 11                               |
| 1,2-dichlorobenzene | 5                         | 9                                |
| o-cresol            | 5                         | 7                                |
| chrysene            | 6                         | 6                                |
| nitrobenzene        | 5                         | 2                                |
| 4-ethyltoluene      | 5                         | 2                                |
| isooctane           | 72                        | <1                               |
| 2-nitrophenol       | c                         | <1                               |
| 1,3-dichloropropene | c                         | <1                               |
| 2,4-dinitrotoluene  | c                         | <1                               |
| benzoic acid        | c                         | <1                               |
| hexane              | c                         | <1                               |
| pentachlorophenol   | c                         | <1                               |
| methylcyclohexane   | c                         | <1                               |
| 16 PAH              | c (total)                 | <1                               |

- <sup>a</sup> The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result.
- <sup>b</sup> The % cross-reactivity is determined by dividing the equivalent BTEX concentration by the actual compound concentration at IC<sub>50</sub> (the concentration at 50% inhibition).
- <sup>c</sup> Could not be detected by the D TECH® test at 500 ppm.

**INTERFERING SUBSTANCES**

The D TECH® BTEX Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a BTEX sample at a concentration of 500 ppm, did not affect the BTEX result. The table below summarizes the data.

| Compound        | % Cross<br>reactivity | Interference |
|-----------------|-----------------------|--------------|
| Aroclor 1254    | <1                    | none         |
| 16 PAH          | <1                    | none         |
| PCP             | <1                    | none         |
| Transformer Oil | <1                    | none         |

**TIME-TEMPERATURE RELATIONSHIP**

The D TECH® BTEX test uses an unique non-enzyme color development procedure. By eliminating the use of the enzyme in this test, the temperature dependency, characteristic of enzyme immunoassays, has been minimized. The incubation time is the same throughout the working temperature range of the kit. Reliable BTEX results are obtained when testing occurs in the temperature range of 45° to 100° F (7° to 38° C).

**TEST VARIATION**

The BTEX Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 9 %.

**TESTING HIGHER BTEX CONCENTRATIONS**

For further information, please call our technical service hotline 1-800-222-0342

**REFERENCES**

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. SW-846; 3rd Edition #1; U. S. Environmental Protection Agency: Washington D.C., 1992.

**QUALITY CONTROL**

1. Read the test instructions completely before use to assure familiarity with the test procedure.
2. Read the BTEX site sampling protocol prior to sampling to assure familiarity and compliance with the procedure.
3. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
4. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
5. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify proper test execution.
6. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
  - a. Record the operator's name, the date, time of collection and location of each sample.
  - b. Record any raw data, calculations and final results for each sample.
  - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
  - d. Run a duplicate analysis on one of every 20 samples.
  - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
7. Additional options:
  - a. Use performance evaluation standards daily for assay validation.
  - b. Document the method blank by completing the assay without introducing sample.
  - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

**HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess BTEX is absorbed into the Cup Assembly absorbent plug. It is not retained on the surface of the Cup Assembly.

**PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.**

**Associated Hazards:** May be irritating to skin, eyes and mucous membranes.

**Symptoms of Exposure:** May be irritating on contact with skin, eyes and mucous membranes.

**First Aid Measures:** GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

**Skin:** Wash thoroughly with soap and water

**Eyes:** Immediately flush with water for at least 15 minutes.

**Inhalation:** Remove to fresh air. Give artificial respiration if breathing has stopped.

**Ingestion:** Get immediate medical attention. If conscious, give water freely.

The DTECH® Field Test Products available from EM Science include:

| <u>DTECH Product</u>                                  | <u>Item Number</u> |
|---|--------------------|
| TNT Test Kit  | TK-1004-1          |
| RDX Test Kit  | TK-1005-1          |
| TNT/RDX Soil Extraction Pac                           | TK-1001S-1         |
| PCB in Soil Test Kit                                  | TK-1002-1          |
| PCB Wipe Test Kit                                     | TK-1002W-1         |
| "NEW" BTEX Test Kit<br>(Dual Latex Particle Format)   | TK-1008-1          |
| BTEX Soil Extraction Pac                              | TK-1003S-1         |
| PAH Test Kit  | TK-1006-1          |
| PAH Soil Extraction Pac                               | TK-1006S-1         |
| TCE Test Kit<br>(Available June 1995)                 | TK-1007-1          |
| TCE Soil Extraction Pac<br>(Available June 1995)      | TK-1007S-1         |
| PCP Test Kit<br>(Available September 1995)            | TK-1009-1          |
| PCP Soil Extraction Pac<br>(Available September 1995) | TK-1009S-1         |
| <u>ACCESSORIES</u>                                    |                    |
| DTECHTOR Meter  | TK-1001M-1         |
| Field Carry Bag                                       | TK-1000-1          |

All DTECH® Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

**GENERAL LIMITED WARRANTY**  
All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

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P/N 50267  
Rev 3/95



## Determining TPH Concentration for Various Fuels

### the DTECHTOR

Determine the % relative reflectance using the DTECHTOR meter.

Use the conversion table below to determine the concentration range of TPH for the appropriate fuel.

|          | DTECHTOR Meter Reading |             |              |               |           |
|----------|------------------------|-------------|--------------|---------------|-----------|
|          | LO                     | 0% - 25%    | 25% - 50%    | 50% - 75%     | HI        |
| Gasoline | <80 ppm                | 80-250 ppm  | 250-700 ppm  | 700-3000 ppm  | >3000 ppm |
| Diesel   | <40 ppm                | 40-750 ppm  | 750-2500 ppm | 2500-5000 ppm | >5000 ppm |
| Kerosene | <60 ppm                | 60-700 ppm  | 700-2500 ppm | 2500-9000 ppm | >9000 ppm |
| JP-4     | <80 ppm                | 80-250 ppm  | 250-600 ppm  | 600-2000 ppm  | >2000 ppm |
| JP-5     | <100 ppm               | 100-700 ppm | 700-2000 ppm | 2000-9000 ppm | >9000 ppm |
| Jet A    | <25 ppm                | 25-250 ppm  | 250-800 ppm  | 800-2000 ppm  | >2000 ppm |

OR

### COLOR CARD

Match the color on the T side of the cup assembly to the BTEX Color Card.

Use the conversion table below to determine the TPH concentration for the appropriate fuel.

|          | Value from BTEX Color Card (ppm in soil) |          |          |          |
|----------|--|----------|----------|----------|
|          | 2.5                                      | 10       | 20       | 35       |
| Gasoline | 80 ppm                                   | 350 ppm  | 1100 ppm | 3000 ppm |
| Diesel   | 40 ppm                                   | 1100 ppm | 3500 ppm | 5000 ppm |
| Kerosene | 60 ppm                                   | 1000 ppm | 4000 ppm | 9000 ppm |
| JP-4     | 80 ppm                                   | 350 ppm  | 850 ppm  | 2000 ppm |
| JP-5     | 100 ppm                                  | 1100 ppm | 3500 ppm | 5000 ppm |
| Jet A    | 25 ppm                                   | 450 ppm  | 1200 ppm | 2000 ppm |

Weathering effects, fuel manufacturer, and soil type may effect the reactivity profile of each fuel contaminant.

Questions regarding D TECH kit sensitivities or crossreactivities to petroleum fuels or other contaminants should be directed to your local D TECH technical sales representative, EM Science technical service, or the product manager.

Please call our technical service hotline 1-800-222-0342.

## **TPH Correlation of the BTEX Test Kit**

### **USING THE BTEX TEST KIT TO TEST FOR TPH CONTAMINATION IN SOIL**

The D TECH BTEX Test Kit can be used to test for TPH Contamination in Soil. The test kit can be used to detect gasoline, diesel, kerosene, and aviation fuels. Knowledge of the contaminating fuel type is necessary to obtain the highest level of accuracy for semi-quantitative testing.

### **SENSITIVITY**

| <b>FUEL TYPE</b> | <b>MDL (Minimum Detection Level)</b> |
|------------------|--------------------------------------|
| <b>Gasoline</b>  | 80 ppm                               |
| <b>Diesel</b>    | 40 ppm                               |
| <b>Kerosene</b>  | 60 ppm                               |
| <b>JP-4</b>      | 80 ppm                               |
| <b>JP-5</b>      | 100 ppm                              |
| <b>Jet A</b>     | 25 ppm                               |

### **PRINCIPLE**

The D TECH BTEX Test Kit detects a subset of the chemical components (primarily aromatic) in the petroleum fuels listed above. The composition of the fuel type will determine the reactivity profile, and the MDL (minimum detection level), for that petroleum product. All chemical components detectable by the test in a single sample are summed as one result.

### **TEST PROCEDURES**

Perform the D TECH BTEX Test utilizing the BTEX Soil Extraction Pac (TK-1003S) and BTEX Test Kit (TK-1008) as outlined in their respective instruction guides. At the conclusion of the test, use the DTECHTOR Meter (TK-1001M/1) or Color Card and the corresponding tables on next page for result interpretation.



**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH™ PCB Soil Extraction Pac is designed to extract PCB from soil samples. This extract is analyzed using the D TECH PCB Test Kit (Item #TK-1002-1).

**PRINCIPLE**

Polychlorinated biphenyls (PCB) are compounds commonly found in capacitors, transformers and other systems. The natural gas transmission and distribution industry commonly faces PCB spill contamination problems. PCB contamination has also been recognized as one of the concerns prompting remedial actions at an estimated 20% or more of all National Priority List (NPL) Superfund sites. The presence of these compounds above defined levels is an indication of PCB contaminated soil.

The D TECH PCB Soil Extraction Pac uses an organic solvent to extract the compounds for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be tested with the D TECH™ PCB Test Kit (Item #TK-1002-1).

**KIT DESCRIPTION**

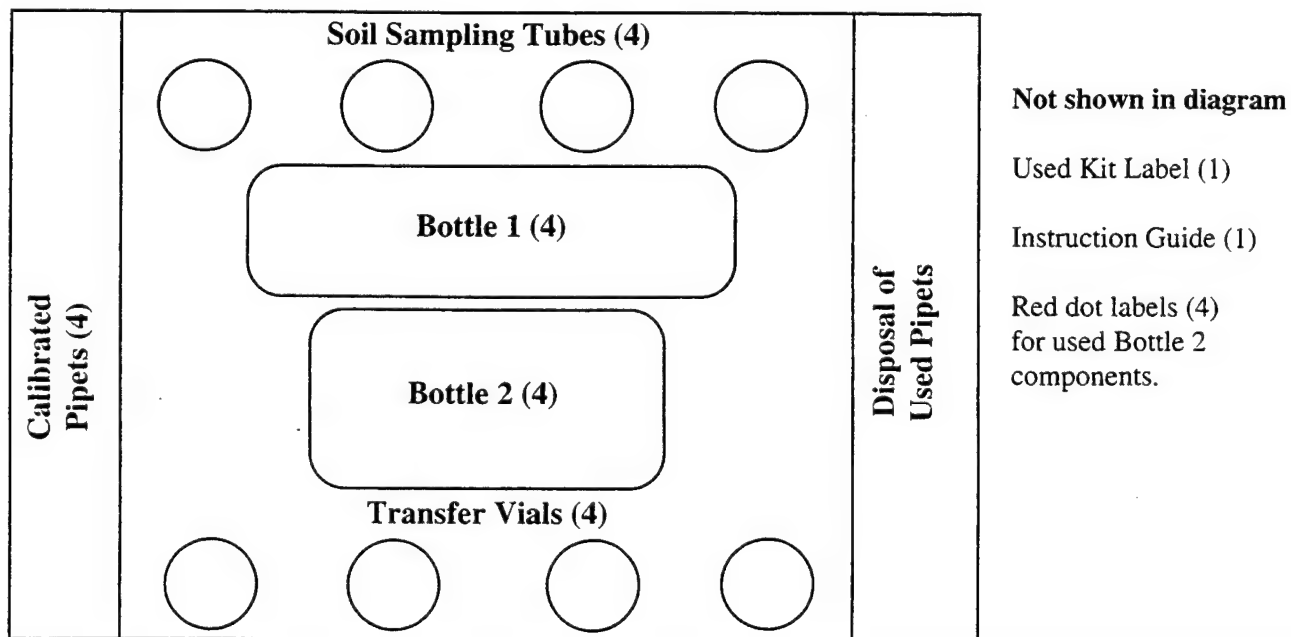
The D TECH PCB Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

**STORAGE/STABILITY**

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

**MATERIALS PROVIDED**

See tray diagram below. This diagram includes the D TECH PCB Soil Extraction Pac component names and quantity of each item.



## **HEALTH/SAFETY**

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

### **PROTECT EYES WITH SAFETY GLASSES PROTECT SKIN WITH PROTECTIVE GLOVES**

#### **PCB Bottle 1 (50674) 100% METHANOL**

##### **Associated Hazards**

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Vapor Harmful.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

##### **Symptoms of Exposure**

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Ingestion can produce blindness (100 ml can be fatal).

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on embryo or fetus have been reported from prolonged exposure to methyl alcohol in laboratory tests involving pregnant rats.

##### **First Aid Measures**

##### **GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

#### **PCB Bottle 2 (50669) Diatomaceous Earth**

##### **Associated Hazards**

May be irritating to skin, eyes and mucous membrane.

Prolonged or repeated inhalation may cause damage to respiratory system.

##### **Symptoms of Exposure**

May be irritating to eyes on contact.

Prolonged or repeated inhalation of dust may cause damage to respiratory system.

Prolonged skin contact may cause irritation.

##### **First Aid Measures**

##### **GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE**

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

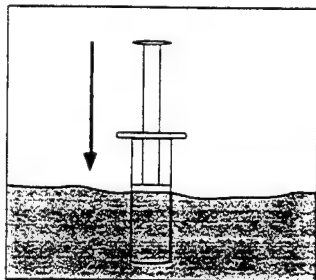
Ingestion: Get immediate medical attention; if conscious, give water freely.

This package is designed to serve as a **WORK STATION**. At the conclusion of the test, the components can be left in the package for proper disposal.

### TEST PROCEDURE

## Sampling

**Step 1:** Break up the soil so that it is a **uniform** sample. See Sample Preparation Information (page 4) for further instructions. Draw back the **Soil Sampling Tube** plunger until it stops. Push the **Soil Sampling Tube** into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from external surface of the sampling tube and barrel end.

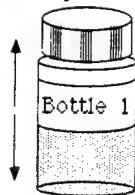


**Step 2:** Dispense the soil into **Bottle 1** by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.



## Extraction From Soil

**Step 3:** Mix the soil and liquid in **Bottle 1** by **shaking** continuously over a **3 minute** period.



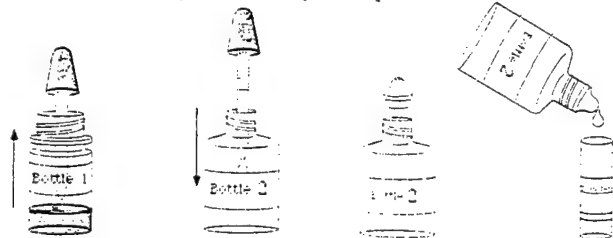
**Step 4:** Allow the soil to settle for approximately **1 minute**. Some soils will settle more slowly than others.



## Diluting the Extraction Solution

**Step 5:** Remove cap from **Bottle 2**.

**Step 6:** Using the 2 ml **Calibrated Pipet**, remove **2 ml** of the liquid layer from **Bottle 1** and dispense it into **Bottle 2**; mix well. Replace cap tightly on **Bottle 1** and return to tray. Place used pipet in right side tray compartment.



**Step 7:** Snap the filter tip onto the neck of **Bottle 2**. Squeeze **Bottle 2** to deliver the filtered solution into the **Transfer Vial**. Use the Transfer Vial solution in Step 1 under **Test Procedure** for analysis in the D TECH PCB Test Kit (Item #TK-1002-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it.

**Helpful Hint:** Return **Bottle 2** to tray. Red dot labels have been provided to indicate used **Bottle 2** components.

## SAMPLE PREPARATION INFORMATION

To achieve a more homogeneous distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Remove all debris, such as sticks, stones and leaves, prior to using the **D TECH Soil Sampling Tube**. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of PCB is more effective if the soil plug is broken into sections during addition to Bottle 1.

Methanol has been proven to be an efficient PCB extractant. Methanol bottles should be kept capped to minimize evaporation.

## VOLUME SAMPLING TECHNIQUE

The D TECH PCB Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the **D TECH Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

## QUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specifications.

### **GENERAL LIMITED WARRANTY**

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

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**IMPORTANT**

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

**INTENDED USE**

The D TECH® PCB on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH PCB Soil and Wipe Test Kits can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis. In the laboratory, the D TECH PCB Test Kit can screen for highly contaminated samples that require pre-dilution prior to instrumental analysis. The D TECH PCB Wipe Test can be used to determine the effectiveness of a PCB clean up effort. The D TECH PCB Test Kit has a working range of 0.5 to 25 ppm for soil samples and a 10 to 250 µg per 100 cm<sup>2</sup> for wipe samples. This test specifically detects Aroclors 1254, 1260 and 1262 equally, reacts well with Aroclors 1242, 1248 and 1268, moderately with Aroclors 1232 and 1016 and shows little reactivity to Aroclor 1221. The table on page 6 lists the amount of an Aroclor that is required to yield a positive test result.

**PRINCIPLE**

The D TECH® system for analyzing a trace amount of PCB utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the antibody selectivity with a sensitive color indicator system, very low concentrations (ppm) of target compound can be determined. The color formed is inversely related to PCB concentration. In this test, the antibody recognizes all PCBs as a class. See the D TECH brochure "Immunoassay Comes to Environmental Testing" for a detailed explanation of the unique immunoassay format used.

**TEST KIT DESCRIPTION**

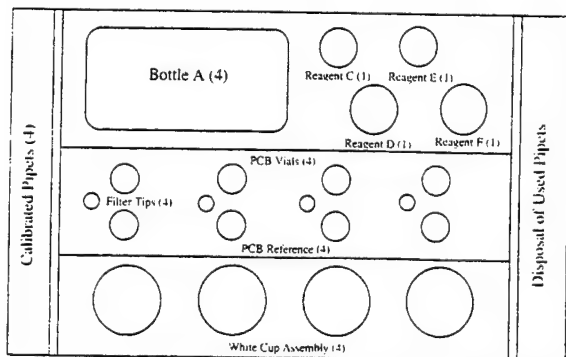
The D TECH PCB Soil Test Kit, Item #TK-1002-1, contains sufficient materials to perform four soil tests. All the materials needed to extract PCB from soils for semiquantitation are included. The D TECH PCB Wipe Test Kit, Item #TK-1002W-1, contains sufficient materials to perform four wipe tests. All the materials needed to extract PCB from surfaces for semiquantitation are included. Soil and wipe test results can be obtained by using the enclosed Color Card or the optional DTECHTOR Meter, Item #TK-1001M-1.

**STORAGE AND STABILITY**

This kit has a working temperature range from 45° to 100°F (7° to 38°C). For optimal stability, the kit should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. For expiration dating under various storage conditions, see the package label.

**MATERIALS PROVIDED**

See the tray diagram below. This diagram includes the kit component names and quantity of each item.

**Not shown in diagram**

Used Kit Label (1)  
Instruction Guide (1)  
Color Card (1)  
Data Labels (4) for Cup Assembly  
Red Dot Labels (4) for identifying  
used Bottle A components

**ACCESSORIES SUPPLIED BY USER**

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)

**Important:** Once the test is initiated, all steps must be executed sequentially without stopping. Please read all the Health and Safety Comments on page 7 prior to use.

*Note:* This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

**Step 1:** After completing the sample extraction using the directions in the Extraction Pac, choose the corresponding sample type to determine Step 1.

**SOIL SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the **Bottle 2** solution (soil extract) from the D TECH PCB Soil Extraction Pac to **Bottle A**. Snap a filter tip on **Bottle A** and gently mix by inverting three (3) times. Replace the cap on **Bottle 2** and set aside.

**WIPE SAMPLE:** Using a clean calibrated pipet, transfer 0.5 mL of the **Bottle 1** solution (wipe extract) from the D TECH PCB Wipe Extraction Pac to **Bottle A**. Snap a filter tip on **Bottle A** and gently mix by inverting three (3) times.

*Note:* The vials in the next two steps need to stand 5 minutes (+/- 30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

**Step 2:** Squeeze **Bottle A** filling the **PCB Test Vial** (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion. Immediately proceed to step 3.

**Step 3:** Squeeze the contents of **Reagent C** (white cap) to fill the **PCB Reference Vial** (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

*Note:* Reconstitute the **REFERENCE VIAL IMMEDIATELY** after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

**Step 4:** After 5 minutes (+/- 30 seconds) pour the contents of the **PCB Test Vial** into the **T** (test) side of the cup assembly. Immediately pour the contents of the **Reference Vial** into the **R** side of the cup assembly. Allow the liquid to drain completely on both sides.

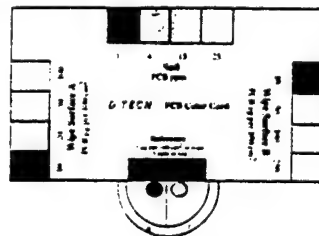
*Note:* The next four (4) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

**Step 5:** Add 10 drops (+/- 2 drops) of **Reagent D** solution (yellow cap) into each side of the cup assembly. Allow the liquid to drain completely.

**Step 6:** Add 5 drops (+/- 1 drop) of **Reagent E** solution (blue cap) into each side of the cup assembly. Be sure to add this solution immediately to the second well after addition to the first well. Allow the wells to drain completely.

**Step 7:** Compare the color of the **R** (left) side of the cup assembly to the reference bar of the **Color Card**. When the color of the **R** Side matches the reference bar, the color development process should be stopped. Proceed to Step 8.

*Note:* Color development time is temperature dependent and takes approximately 10 minutes at 75°F. More time is required at lower temperatures and less time is required at higher temperatures. For example, this reaction may take 7 minutes at 85°F or it may take 20 minutes at 60°F.



**Step 8:** Add 8 drops (+/- 2 drops) of **Reagent F** solution (red cap) into each side of the cup assembly to stop color development. Allow to drain completely. Now determine the PCB concentration of the sample.

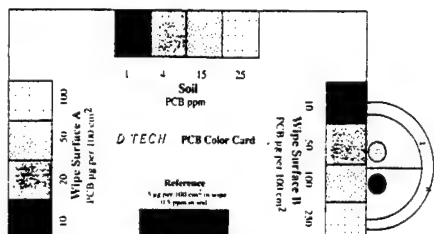
*Note:* The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of **Reagent F**.



### DETERMINING PCB CONCENTRATION

The results from the D TECH PCB Test Kit can be interpreted using either the **Color Card** supplied with the kit or *the DTECHTOR* and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required

**COLOR CARD:** Match the color on the **T** side of the cup assembly to the **appropriate section of the Color Card**, e.g., a soil sample result should be compared to the soil panel of colors.



*the DTECHTOR*: Determine the % relative reflectance using *the DTECHTOR*. (see the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of total PCB in the sample. (See "Interpretation of the Soil and Wipe Tests" on page 5 to determine if wipe results should be determined from surface A or B.) Record the result on a **Cup Assembly** label and apply the label to the cup.

*the DTECHTOR* Table

| Sample Type                      | <i>the DTECHTOR</i> Reading | PCB Equivalents |
|----------------------------------|-----------------------------|-----------------|
| <u>ug per 100 cm<sup>2</sup></u> |                             |                 |
| Wipe Surface A                   | LO - < 10                   | < 10            |
|                                  | 10 - 29                     | 10 - 19         |
|                                  | 30 - 54                     | 20 - 49         |
|                                  | 55 - 70                     | 50 - 100        |
|                                  | >70 - HI                    | > 100           |
| <u>ug per 100 cm<sup>2</sup></u> |                             |                 |
| Wipe Surface B                   | LO - < 20                   | < 10            |
|                                  | 20 - 34                     | 10 - 49         |
|                                  | 35 - 49                     | 50 - 99         |
|                                  | 50 - 65                     | 100 - 250       |
|                                  | > 65 - HI                   | > 250           |
| <u>ppm</u>                       |                             |                 |
| Soil                             | LO - <10                    | < 0.5           |
|                                  | 10 - 20                     | 0.5 - 1.0       |
|                                  | 21 - 40                     | 1.1 - 4.0       |
|                                  | 41 - 60                     | 4.1 - 15        |
|                                  | 61 - 70                     | 16 - 25         |
|                                  | > 70 - HI                   | > 25            |

### *the DTECHTOR* Meter Set Up

*the DTECHTOR* must be calibrated each time the meter is turned on. Calibrators are provided with the meter for this purpose. The **Calibrator** must be clean and white to insure valid results.

*Note: To obtain the best results, do not take DTECHTOR readings in direct sunlight.*

**Step 1:** Insert the **Calibrator** into the **Meter Head** and hold firmly in place.

ZERO

**Step 2:** Press the Square Button 1 time. When calibration is complete the meter will display.....

SET

**Step 3:** Remove the **Calibrator** and return it to its protective cannister. The display remains.....

SET

**Step 4:** Press the Square Button 2 times to select meter program #2 (the Program to be used for this D TECH test kit).

SET#2

**Step 5:** Insert the **Cup Assembly** (test) into the **Meter Head** and firmly hold in place.

TEST#2

*Note: The #2 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.*

**Step 6:** Press the Square Button 1 time.

----

Obtain the meter reading. For example....

46%

*Note: If the meter displays "WAIT", remove the Cup Assembly. Allow the reference color to develop further and try again.*

**Step 7:** Record the result, then press the Square Button 1 time while holding the **Cup Assembly** in place.

----

**Step 8:** (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer.)

**Step 9:** Remove the **Cup Assembly**.

SET#2

**Step 10:** Insert the next **Cup Assembly** (test) and repeat Steps 5 - 9.

**PRECAUTIONS AND PROCEDURAL NOTES**

- The test should be run at a temperature range of 45° to 100° F (7° to 38°C).
- The kit may be stored at a temperature range of 40° to 100°F (4° to 38°C). Storage at higher temperatures may irreversibly damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.
- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1. This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.
- Allow ample time for the soil to settle in Bottle 1. A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This test is temperature dependent. The reference serves as an incubation time indicator. DO NOT stop the test (Page 2 Step 8) until the color intensity produced in the reference well matches the reference color spot on the PCB color card. At 75°F, this reaction will take approximately ten (10) minutes. The warmer the temperature, the quicker the development occurs. For example, at 85°F this reaction may take seven (7) minutes and at 60°F this reaction may take twenty (20) minutes. For additional information, please see the "Time-Temperature Relationship" section on Page 6.
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent F (Page 2 Step 8).
- This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.
- Oil contamination exceeding 0.2% (2000 ppm) in a sample may interfere with the D TECH PCB test. This interference may yield a PCB concentration range that is lower than the actual PCB concentration contained in the sample. If a sample extract is discolored (usually yellow or brown), oil contamination should be suspected and the user should verify the result by an instrument method.



### INTERPRETATION OF THE SOIL & WIPE TESTS

The D TECH PCB Test Kit reports results of total PCB in a soil or wipe sample. This kit primarily detects Aroclors 1254, 1260 and 1262, reacts well with Aroclors 1242, 1248 and 1268, reacts moderately with Aroclors 1232 and 1016 and shows little reactivity with Aroclor 1221.

A positive test result may be due to the presence of PCBs, cross reactants or mixtures of these compounds. For best results, pre-characterize the site by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the PCB contamination consists primarily of PCBs with low reactivity, then the test will slightly underestimate the PCB concentrations. If the PCB contamination consist primarily of PCBs with high reactivity, the test will accurately define the PCB concentrations.

PCBs are extracted from different surfaces at different efficiencies. To evaluate the contamination level on a surface more accurately, the D TECH PCB Wipe Test has been designed to accommodate 2 general surface types. The "**Surface A**" column on the color card and DTECHTOR table is to be used when interpreting test results from non-porous surfaces such as smooth metal or glazed tile like surfaces. When testing painted surfaces, rusted metals or concrete like surfaces use the "**Surface B**" column to interpret your test results.

Sample heterogeneity, sampling technique, extraction efficiency and soil/wipe matrix effects all contribute to the variability in the D TECH PCB test. To obtain a 96% level of confidence in the results, the user must allow an interval of +/-20% of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

### RELIABILITY

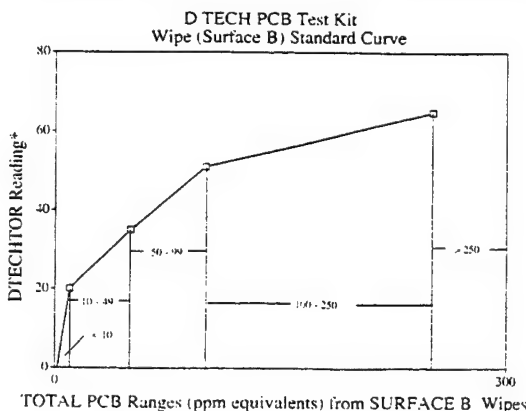
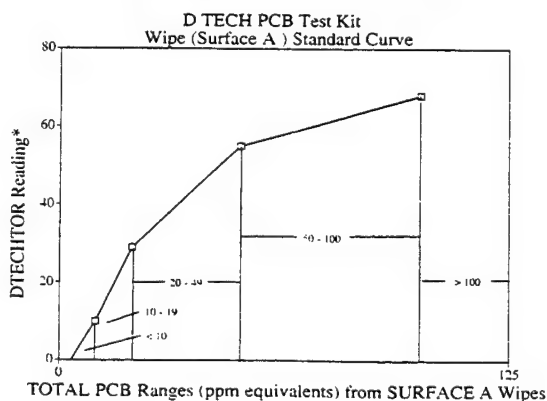
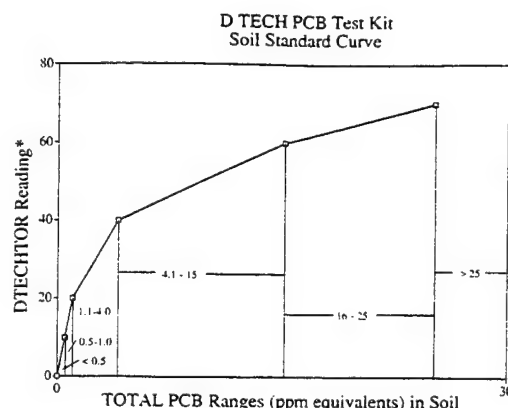
Studies have shown the D TECH PCB Test Kit to yield less than 1% false negatives and less than 10% false positives in soils and less than 1% false negatives and less than 8% false positives in wipes throughout the working range of the kit.

### SENSITIVITY:

The D TECH PCB Test Kit can be used to measure PCB in the following ranges:

| Sample                                       | the DTECHTOR | Color Card |
|--|--------------|------------|
| Soil (ppm)                                   | 0.5 - 25     | 1 - 25     |
| Wipe ( $\mu\text{g per } 100 \text{ cm}^2$ ) | 10 - 250     | 10 - 250   |

The Minimum Detection Limit (MDL) of the PCB test is 0.5 ppm in soil and 10  $\mu\text{g per } 100 \text{ cm}^2$  in a wipe. A 96% confidence level occurs at 1.0 ppm in soil, 15  $\mu\text{g per } 100 \text{ cm}^2$  in Surface A wipes and Surface B wipes.



\*Percent Reflectance Relative to Reference

## PERFORMANCE CHARACTERISTICS

### SPECIFICITY

The D TECH PCB Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of PCB, cross reactants or mixtures of these compounds. Samples testing positive for PCB should be characterized by approved methods. The D TECH PCB Test Kit has been designed to minimize the effect of environmental interferences.

| Compound                                | MDL <sup>a</sup><br>Soil | MDL <sup>a</sup><br>Surf A | MDL <sup>a</sup><br>Surf B | % Cross <sup>b</sup><br>reactivity |
|---|--------------------------|----------------------------|----------------------------|------------------------------------|
| Aroclor 1016                            | 5.7                      | 102                        | 51                         | 12                                 |
| Aroclor 1221                            | 25                       | 450                        | 225                        | 3                                  |
| Aroclor 1232                            | 9.0                      | 164                        | 82                         | 10                                 |
| Aroclor 1242                            | 1.5                      | 27                         | 14                         | 32                                 |
| Aroclor 1248                            | 0.8                      | 14                         | 7.2                        | 42                                 |
| Aroclor 1254                            | 0.5                      | 9                          | 4.5                        | 100                                |
| Aroclor 1260                            | 0.5                      | 9                          | 4.5                        | 100                                |
| Aroclor 1262                            | 0.5                      | 9                          | 4.5                        | 100                                |
| Aroclor 1268                            | 3.8                      | 69                         | 34                         | 25                                 |
| Bifenox                                 | 25                       | 452                        | 224                        | 3                                  |
| Halowax 1000                            | 1000                     | 18100                      | 8950                       | < 1                                |
| Halowax 1099                            | 250                      | 4525                       | 2230                       | < 1                                |
| 1-chloroanthracene                      | c                        | c                          | c                          | < 0.05                             |
| 2-chloroanthracene                      | c                        | c                          | c                          | < 0.05                             |
| 9-chloroanthracene                      | c                        | c                          | c                          | < 0.05                             |
| 1-chloronaphthalene                     | c                        | c                          | c                          | < 0.05                             |
| 9,10-dichloroanthracene                 | c                        | c                          | c                          | < 0.05                             |
| 1,2-dichlorobenzene                     | c                        | c                          | c                          | < 0.05                             |
| 1,3-dichlorobenzene                     | c                        | c                          | c                          | < 0.05                             |
| 1,4-dichlorobenzene                     | c                        | c                          | c                          | < 0.05                             |
| 1,2,3-trichlorobenzene                  | c                        | c                          | c                          | < 0.05                             |
| 1,2,4-trichlorobenzene                  | c                        | c                          | c                          | < 0.05                             |
| 1,2,5-trichlorobenzene                  | c                        | c                          | c                          | < 0.05                             |
| 1,2,4,5-tetrachlorobenze                | c                        | c                          | c                          | < 0.05                             |
| Pentachlorophenol                       | c                        | c                          | c                          | < 0.05                             |
| DDT                                     | c                        | c                          | c                          | < 0.05                             |
| 2,4-dichlorophenyl-<br>benzenesulfonate | c                        | c                          | c                          | < 0.05                             |

- <sup>a</sup> The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result. Soil concentrations = ppm. wipe concentrations =  $\mu\text{g}/100\text{ cm}^2$
- <sup>b</sup> The % cross-reactivity is determined by dividing the equivalent Aroclor 1254 concentration by the actual compound concentration at  $\text{IC}_{50}$ .
- <sup>c</sup> Could not be detected by the D TECH test at 1000 ppm in soil or 10,000  $\mu\text{g}/100\text{ cm}^2$  in wipes.

### INTERFERING SUBSTANCES

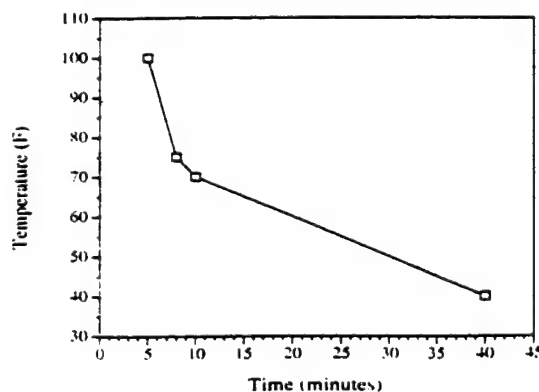
The D TECH PCB Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a PCB sample at the indicated concentration, did not affect the PCB result. The table below summarizes the data.

| Compound                | % Cross<br>reactivity | Interference  |
|-------------------------|-----------------------|---------------|
| 500 ppm PAH             | < 0.1%                | none          |
| 500 ppm BTEX            | < 0.1%                | none          |
| 500 ppm PCP             | < 0.05%               | none          |
| 500 ppm Bifenox         | 3 %                   | higher result |
| 500 ppm Oil (mineral)   | < 0.05%               | none          |
| >2000 ppm Oil (mineral) | < 0.05%               | lower result  |

### TIME-TEMPERATURE RELATIONSHIP

All enzyme immunoassays are temperature dependent. At cooler temperatures, the color development step of the D TECH PCB test will take longer than 10 minutes. A time-temperature graph has been provided to illustrate this point. This graph should not be used to determine the time to run a test at a given temperature, but rather as a guide to estimate the time necessary to complete the development step. All tests should be run until the color produced by the reference matches the reference bar on the color card.

D TECH TIME-TEMPERATURE GRAPH



### TEST VARIATION

The PCB Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 10%.

### TESTING HIGHER PCB CONCENTRATIONS

For further information, please call our technical service hotline 1-800-222-0342

### QUALITY CONTROL

1. Read the test instructions completely before use to assure familiarity with the test procedure.
2. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
3. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
4. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify that test procedures were properly followed.
5. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
  - a. Record the operator's name, the date, time of collection and location of each sample.
  - b. Record any raw data, calculations and final results for each sample.
  - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
  - d. Run a duplicate analysis on one of every 20 samples.
  - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
6. Additional options:
  - a. Use performance evaluation standards daily for assay validation.
  - b. Document the method blank by completing the assay without introducing sample.
  - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

### HEALTH/SAFETY

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess PCB is absorbed into the **Cup Assembly** absorbent plug. It is not retained on the surface of the **Cup Assembly**.

### **PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.**

**Associated Hazards:** May be irritating to skin, eyes and mucous membranes.

**Symptoms of Exposure:** May be irritating on contact with skin, eyes and mucous membranes.

**First Aid Measures:** GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

**Skin:** Wash thoroughly with soap and water

**Eyes:** Immediately flush with water for at least 15 minutes.

**Inhalation:** Remove to fresh air. Give artificial respiration if breathing has stopped.

**Ingestion:** Get immediate medical attention. If conscious, give water freely.

The D TECH® Field Test Products available from EM Science include:

| <u>D TECH Product</u>                                 | <u>Item Number</u> |
|---|--------------------|
| TNT Test Kit  | TK-1004-1          |
| RDX Test Kit  | TK-1005-1          |
| TNT/RDX Soil Extraction Pac                           | TK-1001S-1         |
| PCB in Soil Test Kit                                  | TK-1002-1          |
| PCB Wipe Test Kit                                     | TK-1002W-1         |
| BTEX Test Kit   | TK-1003-1          |
| BTEX Soil Extraction Pac                              | TK-1003S-1         |
| PAH Test Kit  | TK-1006-1          |
| PAH Soil Extraction Pac                               | TK-1006S-1         |
| "NEW" BTEX Test Kit<br>(Available February 1995)      | TK-1008-1          |
| TCE Test Kit<br>(Available June 1995)                 | TK-1007-1          |
| TCE Soil Extraction Pac<br>(Available June 1995)      | TK-1007S-1         |
| PCP Test Kit<br>(Available September 1995)            | TK-1009-1          |
| PCP Soil Extraction Pac<br>(Available September 1995) | TK-1009S-1         |
| <u>ACCESSORIES</u>                                    |                    |
| DTECHTOR Meter  | TK-1001M-1         |
| Field Carry Bag                                       | TK-1000-1          |

All D TECH Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

#### GENERAL LIMITED WARRANTY

All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

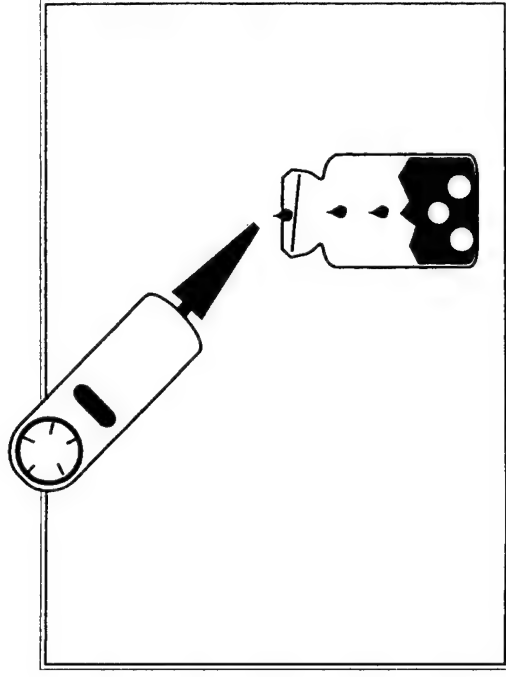
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EM SCIENCE/Strategic Diagnostics Inc.  
480 Democrat Road  
P.O. Box 70  
Gibbstown, N.J. 08027  
(800) 222-0342

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# Soil Extraction Bottle Kit



MILLIPORE

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# **EnviroGard Soil Extraction Bottle Kit**

## **Introduction**

This document describes how to use the EnviroGard Soil Extraction Bottle Kit. It contains details on:











- Purpose of the kit
- Parts in the kit and materials you need to supply
- Extraction procedures
- Product ordering information

## What is the EnviroGard Soil Extraction Bottle Kit?

The EnviroGard™ Soil Extraction Bottle Kit enables you to extract pesticides and industrial contaminants from soil. This kit contains enough material for 14 soil samples. Once you extract the soil, you can test it using one of the EnviroGard in Soil Test Kits. Call your local Millipore office for details.

## Parts of the Kit

This kit includes the following items:

| Part  | Diagram   |
|---|---|
| 18 Weigh boats  |    |
| 18 Wooden spatulas  |    |
| 14 Soil extraction bottles (each containing three mixing beads) with caps |    |
| 1 Syringe, 20 cubic centimeters (cc) with coupler                         |  |
| 1 Syringe coupler   |  |
| 14 Millex®-HV <sub>13</sub> filter units                                  |  |
| 14 Filter caps  |  |
| 14 Glass storage vials with caps, 4 milliliters (mL)                      |  |
| 14 Stoppers   |  |
| 14 Blank labels   |  |

**NOTE:** The syringe coupler, Millex®-HV<sub>13</sub> filter units, storage vial caps, and stoppers are packaged under the weigh boat compartment.

## Materials You Supply

You need to supply:

- Methanol or other extraction solvent (type and amount depends on the EnviroGard test kit you plan to use)
- Portable balance
- Pen or marker
- Timer
- Repeater® pipette with 50 mL pipette tips (included with the EnviroGard Soil Field Lab [ENVRL00 09])
- Soil extraction bottle rack (included with the EnviroGard Soil Field Lab)

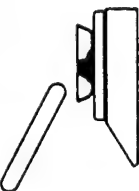
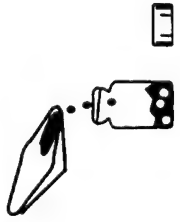
**NOTE:** The bottle rack is optional. Use it to extract up to six soil samples simultaneously.

## Soil Preparation and Extraction Procedures

The following sections describe how to:

- Prepare the soil sample
- Extract the sample from the soil
- Filter the sample by squeezing the bottle or by using a syringe to pressurize the bottle.

## Prepare the Soil Sample

| Step | Action  |
|------|---|
| 1    | <p>Collect a soil sample. Then organize these items at a work area:</p> <ul style="list-style-type: none"> <li>■ Weigh boat</li> <li>■ Wooden spatula</li> <li>■ Portable balance</li> <li>■ Soil extraction bottle with cap</li> <li>■ Pen or marker</li> </ul>  |
| 2    | <p>Place the weigh boat on the balance and press <b>ON/MEMORY</b>. Then weigh out 5.0 grams (g) of soil into the weigh boat using the wooden spatula.</p> <p><b>NOTE:</b> The amount of soil you use may vary, depending on the assay. Refer to your EnviroGard test kit instructions.</p>               |
| 3    | <p>Uncap the soil extraction bottle and label it appropriately. Then fold the weigh boat into the mouth of the bottle and pour in your sample. Discard the boat and spatula appropriately. Repeat steps 1–3 for each sample you want to test. See the next section for steps to extract the sample.</p>  |

## Extract the Sample

| Step  | Action  |                        |   |   |                            |                                |   |              |  |   |  |
|---|---|------------------------|---|---|----------------------------|--------------------------------|---|--------------|--|---|--|
| 1   | <p>Place these items at your work area:</p> <ul style="list-style-type: none"> <li>■ Repeater pipette with a 50 mL tip</li> <li>■ Methanol or other extraction solvent (See your test kit instructions.)</li> <li>■ Timer</li> </ul>  |                        |   |   |                            |                                |   |              |  |   |  |
| 2   | <p>Attach the 50 mL tip to the Repeater pipette and set the dial to 5. (This is equivalent to 5 mL.) If you have the TNT in Soil kit, set the pipette to 4 instead of 5.</p>  |                        |   |   |                            |                                |   |              |  |   |  |
| 3   | <p>Uncap each soil extraction bottle (if necessary). Add methanol or extraction solvent to each bottle. The amount of methanol or extraction solvent you add depends on the EnviroGard test kit you use. Refer to this chart for details:</p> <table border="1"> <thead> <tr> <th>If You Use This Kit...</th><th>Use This Amount of Methanol for Solvent!...</th></tr> </thead> <tbody> <tr> <td>PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil</td><td>5 mL for a 5 g soil sample</td></tr> <tr> <td>Toxaphene or Chlordane in Soil</td><td>10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample</td></tr> <tr> <td>TNT* in Soil</td><td>8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample</td></tr> <tr> <td colspan="2">* Use extraction solvent instead of methanol; see kit instructions for details.</td></tr> </tbody> </table> <p><b>CAUTION:</b> If you have clay samples, add an additional 5.0 mL of methanol or extraction solvent to each sample. Otherwise, the samples soak up all of the methanol or extraction solvent, leaving little or no excess liquid to decant. When interpreting results, factor the dilution into the calculations. For example, you will need to multiply each of the calibrator concentrations by the ratio of methanol or extraction solvent (in mL) to soil (in g). See your test kit instructions for details.</p> | If You Use This Kit... | Use This Amount of Methanol for Solvent!... | PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil | 5 mL for a 5 g soil sample | Toxaphene or Chlordane in Soil | 10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample | TNT* in Soil | 8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample | * Use extraction solvent instead of methanol; see kit instructions for details. |  |
| If You Use This Kit...  | Use This Amount of Methanol for Solvent!...   |                        |   |   |                            |                                |   |              |  |   |  |
| PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil                               | 5 mL for a 5 g soil sample  |                        |   |   |                            |                                |   |              |  |   |  |
| Toxaphene or Chlordane in Soil  | 10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample   |                        |   |   |                            |                                |   |              |  |   |  |
| TNT* in Soil  | 8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample  |                        |   |   |                            |                                |   |              |  |   |  |
| * Use extraction solvent instead of methanol; see kit instructions for details. |   |                        |   |   |                            |                                |   |              |  |   |  |
| 4   | <p>Screw the cap back onto the extraction bottle; tighten it to prevent leaks. Set the timer for two minutes and agitate the bottle for that length of time. See the next section for details on filtering the sample.</p>  |                        |   |   |                            |                                |   |              |  |   |  |

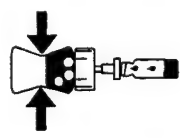


**Filter the Sample**

This section describes how to filter the sample in two ways. For example, you can:

- Squeeze the bottle
  - OR
  - Use a syringe to pressurize the bottle
- See the steps you want to use.

**Filter the Sample by Squeezing the Bottle**

| Step   | Action   |
|--|--|
| 1  | Place these items at your work area: <ul style="list-style-type: none"><li>■ Filter cap</li><li>■ Millex-HV<sub>13</sub> filter unit</li><li>■ Glass storage vial and cap</li></ul>  |
| 2  | Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach a Millex-HV <sub>13</sub> filter unit to the filter cap.   |
| 3  | Invert the extraction bottle. Insert the filter outlet into the mouth of the glass storage vial. Hold the vial steady and squeeze the bottle until you filter the necessary amount of soil extract.  |
|                         |  |
| <b>NOTE:</b> The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions. |  |
| 4  | Remove the extraction bottle from the vial and discard appropriately. Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details. |

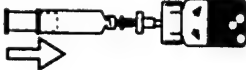
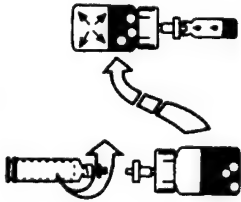
**Filter the Sample by Pressurizing the Bottle**

| Step | Action   |
|------|--|
| 1    | Place these items at your work area before you filter your sample(s): <ul style="list-style-type: none"><li>■ Filter caps</li><li>■ Millex-HV<sub>13</sub> filter unit</li><li>■ Syringe, 20 cc with coupler</li><li>■ Glass storage vial with cap</li><li>■ Stopper</li><li>■ Soil extraction bottle rack, six-place (optional)</li></ul> |
| 2    | Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach the Millex-HV <sub>13</sub> filter unit to the filter cap.   |
| 3    | Draw air into the syringe by pulling the plunger to the 20 mL mark. Then twist the syringe assembly firmly onto the open end of the filter unit.   |



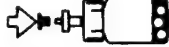
*Continued*

## Filter the Sample by Pressurizing the Bottle, Continued

| Step | Action   |
|------|--|
| 4    | <p>Push down the plunger. This creates enough pressure in the soil extraction bottle to drive the soil extract through the filter.</p>    |
| 5    | <p>Hold the Millex-HV<sub>13</sub> filter unit and twist off the syringe coupler to remove the syringe assembly. Immediately invert the pressurized extraction bottle and insert the filter outlet into the mouth of the glass storage vial.</p>  <p><b>CAUTION:</b> Hold the assembly or place it in a rack to prevent tipping. If you use a rack, do not leave the assembly unattended; the soil extract may overflow and contaminate your work area.</p> |

Continued

## Filter the Sample by Pressurizing the Bottle, Continued

| Step | Action   |
|------|--|
| 6    | <p>Wait until you filter the necessary amount of soil extract into the vial. (The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions for specific quantities.) Remove the bottle from the vial. Put a stopper onto the filter outlet to stop the flow. Then discard the extraction bottle appropriately.</p>  |
| 7    | <p>Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details.</p>  |

## Product Ordering Information

The following chart lists the catalogue numbers for the EnviroGard Soil Extraction Bottle Kit and related products.

| Description                                  | Catalogue Number |
|--|------------------|
| EnviroGard Soil Extraction Bottle Kit, 14/pk | ENSP 000 30      |
| Methanol, 100 mL                             | ELCR 000 07      |
| EnviroGard Soil Field Lab                    | ENVR L00 09      |
| Soil Extraction Bottle Rack, six-place       | ENVR SP0 30      |
| Soil Extraction Bulk Kit (100/pk)            | ENVR 100 30      |

## Technical Assistance

Call the office in your country to order parts or additional product information or to contact Technical Service.

NOTE: To receive the our laboratory products catalogue (*Millipore Direct*), call your local Millipore office. Or, look us up on the Internet (<http://www.millipore.com>).

### Millipore Offices

|  |   |   |
|--|---|---|
| <b>AUSTRALIA</b><br>A+C+N+<br>001 239 816<br>(080) 222-111<br>In Sydney Area.<br>(02) 424-7333   | <b>FINLAND</b><br>Tel. (090) 404 51 10                                    | <b>NORWAY</b><br>Tel. (47) 22 67 8253   |
| <b>AUSTRIA, CENTRAL EUROPE, C.I.S., AFRICA,<br/>MIDDLE EAST and GULF</b><br>Tel. (43) 1 877 8926   | <b>FRANCE</b><br>Tel. (1) 30 12 70 00                                     | <b>POLAND</b><br>Tel. 2 66 91 225/66 37 031   |
| <b>BELGIUM and LUXEMBOURG</b><br>Tel. (02) 726 8840  | <b>GERMANY</b><br>Tel. (069) 273-4495                                     | <b>PURTO RICO</b><br>Tel. (809) 273-4495  |
| <b>BRAZIL</b><br>Tel. (011) 548-7011   | <b>HUNGARY</b><br>Tel. (1) 166 86 74/11 185 1122                          | <b>SINGAPORE</b><br>Tel. (65) 253-2733  |
| <b>CANADA</b><br>Analytical Division:<br>1 (800) 645-5476<br>BioProcess Division:<br>Tel. (416) 675-1598                                   | <b>INDIA</b><br>Tel. (91) 80 6594637/ 396320                              | <b>SPAIN</b><br>Madrid<br>Tel. 91-729 03 00<br>Barcelona:<br>Tel. 93-325 96 16          |
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| <b>CZECH REPUBLIC</b><br>Tel. (21) 52 21 75  | <b>JAPAN</b><br>Tel. (03) 3474-9111                                       | <b>SWITZERLAND</b><br>Tel. (01) 508-30-60   |
| <b>DENMARK</b><br>Tel. 46 99 0023  | <b>KOREA</b><br>Tel. (82-2) 554895  | <b>TAIWAN</b><br>Tel. (886-2) 7001742   |
|  | <b>MALAYSIA</b><br>Tel. (603) 5-7571322                                   | <b>U.K. and IRELAND</b><br>Tel. (0923) 816375   |
|  | <b>MEXICO</b><br>Tel. (525) 576-06-88                                     | <b>U.S.A.</b><br>Tel. (617) 275-9280  |
|  | <b>THE NETHERLANDS</b><br>Tel. (07650) 22000                              | <b>In All Other Countries</b><br>Millipore Intertech (U.S.A.)<br>Tel. +1 (617) 275-9280 |

## General Limited Warranty

Millipore Corporation ("Millipore") warrants the products manufactured by it against defects in materials and workmanship when used in accordance with the applicable instructions for a period of one year from the date of shipment of the products or, where applicable, for a period not to extend beyond a product's printed expiration date. **MILLIPORE MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty provided herein and the data, specifications and descriptions of Millipore products appearing in Millipore's published catalogues and product literature may not be altered except by express written agreement signed by an officer of Millipore. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorized and if given, should not be relied upon.

In the event of a breach of the foregoing warranty, Millipore's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period, provided the customer notifies Millipore promptly of any such defect. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as Millipore is willing and able to repair or replace any nonconforming Millipore product or part. **Millipore shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by any customer from the use of its products.**

# MILLIPORE

## EnviroGard™ Chlordane in Soil Test Kit ENVR 000 40

### Intended Use

The EnviroGard Chlordane in Soil Test Kit is a semi-quantitative field test for the detection of Chlordane in soil. The EnviroGard Chlordane in Soil Test Kit allows reliable and rapid screening for chlordane at 20, 100, and 600 parts per billion (ppb) in soil.

### Test Principles

The EnviroGard Chlordane in Soil Test Kit is based on the use of polyclonal antibodies that bind either Chlordane or Chlordane-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When Chlordane is present in the sample, it competes with the Chlordane-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing Chlordane is added to a test tube containing Assay Diluent. Chlordane-Enzyme Conjugate is then added to the test tube. The Chlordane-Enzyme Conjugate competes with the Chlordane for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound Chlordane-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of Chlordane-Enzyme Conjugate molecules, a sample that contains a low concentration of Chlordane allows the antibody to bind many Chlordane-Enzyme Conjugate molecules. The result is a dark blue solution.

Conversely, a high concentration of Chlordane allows fewer Chlordane-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

**Note:** Color is inversely proportional to Chlordane concentration.

Darker color = Lower concentration  
Lighter color = Higher concentration

### Performance Characteristics

The EnviroGard Chlordane in Soil Test Kit will not differentiate between Chlordane and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD). It also shows the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm), or parts per billion (ppb) in soil.

| Compound      | LLD     | IC50    |
|---------------|---------|---------|
| Chlordane     | 14 ppb  | 100 ppb |
| Endrin        | 6 ppb   | 22 ppb  |
| Endosulfan I  | 6 ppb   | 36 ppb  |
| Endosulfan II | 6 ppb   | 28 ppb  |
| Dieldrin      | 6 ppb   | 42 ppb  |
| Heptachlor    | 6 ppb   | 34 ppb  |
| Aldrin        | 20 ppb  | 116 ppb |
| Toxaphene     | 0.2 ppm | 2.8 ppm |
| Gamma-BHC *   | 0.6 ppm | 4.6 ppm |
| Alpha-BHC     | 2 ppm   | 19 ppm  |
| Delta-BHC     | 2 ppm   | 40 ppm  |

\*Gamma-BHC is Lindane

### Precautions

- Treat Chlordane, solutions that contain Chlordane and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.

- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the Chlordane calibrator vials to prevent evaporative loss.
- Distribution of Chlordane in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.

## Materials Provided

### EnviroGard Chlordane in Soil Test Kit

This test kit contains the following items:

- 20 Antibody-Coated Test Tubes
- 1 vial of Assay Diluent
- 1 vial of Negative Control (methanol)
- 1 vial of 20 ppb Chlordane Calibrator in methanol (actual concentration is 10 ppb)
- 1 vial of 100 ppb Chlordane Calibrator in methanol (actual concentration is 50 ppb)
- 1 vial of 600 ppb Chlordane Calibrator in methanol (actual concentration is 300 ppb)
- 1 vial of Chlordane-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack

- 22 Pipette Tips, pink (for the Gilson M-25 Microman® Positive Displacement Pipettor)

**NOTE:** To determine the chlordane concentration in soil, a dilution factor of 2 has been calculated in. This factor of 2 is derived from extraction of the 5 grams of soil with 10 mL of solvent.

## Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

### EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of Chlordane in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV13 filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

### Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Bottle Kit. You must order it separately. (See "Ordering Information.")

Prepare a 90% Methanol extraction solvent by mixing 180 ml of Methanol with 20 ml of laboratory grade water and mix thoroughly before use.

## Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab.

(See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- Eppendorf<sup>TM</sup> Repeater<sup>®</sup> Pipettor and five Combitips<sup>®</sup> (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

### Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination. Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low Chlordane concentration. Use a new pipettor tip each time you pipette a new unknown.

## Assay Procedure

### Collect/Store the Sample

1. Collect soil in appropriately-sized and labeled containers.
2. Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.
3. Store soil samples at 4°C (39°F).

### Prepare the Sample/Extract the Soil

1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
2. **10 mL of 90% Methanol** in water will be used to extract chlordane residue from a 5 gram soil sample. As per instructions, attach a **50 mL** Combitip to the Repeater pipettor and set the dial to **5**. Deliver twice to add **10 mL of 90% methanol** to the extraction vial, and cap tightly.

### Perform the Test

**NOTE:** Allow all reagents and sample extracts to reach room temperature (approximately 60 minutes) before you begin the test.

Remove the test tubes from the plastic bag and label them as follows\*:

| <u>Tube Label</u> | <u>Tube Contents</u> |
|-------------------|----------------------|
| NC                | Negative Control     |
| C1                | 20 ppb Calibrator    |
| C2                | 100 ppb Calibrator   |
| C3                | 600 ppb Calibrator   |
| S1                | sample 1             |
| S2                | sample 2             |
| etc.              |                      |

\*You are not required to perform the assay in duplicate; however, doing so will increase the precision.

1. Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

**CAUTION:** Do not "snap" the test tubes into the rack as this may result in a cracked tube.

2. Attach the **12.5 mL** Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to **1**. Add **250 microliters ( $\mu\text{L}$ )** of Assay Diluent to each test tube.
3. Attach a clean pink pipette tip to the Microman pipettor and adjust the dial to **"050"**. Add **50  $\mu\text{L}$**  of each calibrator (including negative control) to the corresponding test tube by placing the end of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. **Use a clean pipette tip each time.**

**CAUTION:** Replace the caps on the calibrator vials immediately after use to minimize evaporation.

4. Using a clean tip for each sample, add **50  $\mu\text{L}$**  of each sample extract to the appropriately-labeled test tube.
5. Let test tubes incubate for **15 minutes**.
6. Attach the **5.0 mL** Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to **2**. Add **200  $\mu\text{L}$**  of Chlordane-Enzyme Conjugate to each test tube.  
  
Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for **5 minutes**.
7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to **overflowing** with cool tap or distilled water, then decant and vigorously shake out the remaining water.

Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.

8. Attach the **12.5 mL** Combitip labeled "Substrate" to the Repeater pipettor and set the dial to **2**. Add **500  $\mu\text{L}$**  of Substrate to each test tube. Leave the test tubes undisturbed for **3 minutes**.

**NOTE:** If a blue color does not develop in the Negative Control test tube within 3 minutes after adding the Substrate, the test is invalid and you must repeat it.

## Interpret the Results

You can either interpret the results visually within 3 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

### Visual Interpretation

After you add the Substrate, wait 3 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains Chlordane at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain Chlordane at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains Chlordane at a concentration between the calibrator concentrations.
- If a sample test tube contains *approximately the same* amount of color as the calibrator test tube, the sample contains Chlordane at a concentration *approximately equal* to the calibrator.
- If the sample test tube contains less color than the 600 ppb Calibrator test tube, you may dilute a fraction of the soil extract in 90% methanol (for example, 1:10) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

### Photometric Interpretation

After you add the Substrate, wait 3 minutes then add the Stop Solution to each test tube.

**WARNING:** Stop solution is 1N Hydrochloric acid. Handle carefully.



Attach the 12.5 mL Combitip labeled "Stop" to the Repeater pipettor and set the dial to 2. Add 500  $\mu$ L of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

**NOTE:** After you add Stop Solution to the test tubes, results should be read within 30 minutes.

### Millipore Differential Photometer

1. Place a water blank test tube containing 1.5 mL of Milli-RO® or Milli-Q® water, or equivalent in the left (reference) well.
2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
3. Remove the Negative Control test tube and replace it with the 20 ppb Calibrator test tube to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

### Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

- If a sample OD is *equal* to the OD of a calibrator, the sample contains Chlordane at a concentration *approximately equal* to the calibrator.
- If a sample OD is *greater* than a calibrator OD, the sample contains *less* Chlordane than the calibrator.
- If a sample OD is *lower* than a calibrator OD, the sample may contain *more* Chlordane than that calibrator.
- If an assay result indicates that a soil sample contains greater than 600 ppb Chlordane, but you need more specific information, the soil extract may be diluted 1:10 in 90% methanol, and assayed again. You must then multiply the results of the re-assay by 10 to determine the approximate sample extract concentration.

**NOTE:** If you know in advance that the "action level" of interest is greater than 1 ppm Chlordane in soil, the assay may be modified to pinpoint that particular concentration.

### Example Data

Actual OD values will vary. This data is for demonstration purposes only.

| Tube         | OD   | Interpretation    |
|--------------|------|-------------------|
| NC           | 0.90 |                   |
| C1 (20 ppb)  | 0.65 |                   |
| C2 (100 ppb) | 0.49 |                   |
| C3 (600 ppb) | 0.35 |                   |
| S1           | 0.58 | >20 ppb < 100 ppb |
| S2           | 0.16 | > 600 ppb         |

**NOTE:** The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

### Limitations of the Procedure

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immunoassay) should always derive from the same homogenate.



## Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard Chlordane in Soil Test Kit, Soil Extraction Bottle Kit, and related products.

| Description  | Catalogue Number   |
|--|--|
| EnviroGard Chlordane in Soil Test Kit  | ENVR 000 40  |
| EnviroGard Soil Extraction Bottle Kit  | ENSP 000 30  |
| Methanol for soil extraction, 100 mL bottle  | ELCR 000 07  |
| Millipore Differential Photometer: <ul style="list-style-type: none"> <li>• 115 volt (V), or</li> <li>• 230 V</li> </ul>   | ENVR 000 00<br>ENVR 002 30                                   |
| EnviroQuant Photometer, 110V, or<br>EnviroQuant Photometer, 220V<br>EnviroQuant Replacement Paper, 12 rolls  | ENVR T11 00<br>ENVR T22 00<br>ENVR T11 02                    |
| EnviroGard Replacement Pipettor Tips (available separately): <ul style="list-style-type: none"> <li>• Positive displacement pipettor tips, 50-250 <math>\mu</math>L range 200/pk (not preassembled)</li> <li>• Repeater pipettor tips, 5.0 mL, 100/pk</li> <li>• Repeater pipettor tips, 12.5 mL, 100/pk</li> <li>• Repeater pipettor tips, 50 mL, 10/pk</li> </ul>  | ENVR L07 09<br><br>ENVR L01 09<br>ENVR L02 09<br>ENVR L03 09 |
| EnviroGard Soil Field Lab includes: <ul style="list-style-type: none"> <li>• 1 Portable balance with 100 gram calibrator weight</li> <li>• 1 Eppendorf Repeater pipettor</li> <li>• 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes</li> <li>• 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes</li> <li>• 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes</li> <li>• 1 Positive displacement precision pipettor, adjustable (2-250 <math>\mu</math>L)</li> <li>• 1 Electronic timer</li> <li>• 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and dilutions)</li> <li>• 4 Test tube racks, six-position</li> <li>• 1 Wash bottle, 500 mL</li> <li>• 1 125 mL large mouth bottle</li> <li>• 2 Work stations</li> <li>• 1 Soil extraction rack</li> </ul> | ENVR L00 09  |
| Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.)  |  |

## Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

### IN THE U.S. AND CANADA

Call toll-free **800-MILLIPORE** (800-645-5476)

In the U.S. FAX Orders (617) 533-8873

In Canada FAX Orders (613) 225-9366

### Millipore Worldwide:

#### Australia

A•C•N: (001) 239-818

Toll Free (008) 222-111

In Sydney Area (02) 428-7333

#### Austria, Central Europe, C.I.S., Africa, Middle-East, and Gulf

In Austria: (43) 1-877-8926

#### Baltic Republics

In Finland: (358) 0 8045110

#### Belgium and Luxembourg

(02) 726-8840

#### Brazil

(011) 548-7011

#### Canada

Toll Free 1-800-645-5476

In Toronto Area: 416-678-2161

#### China, People's Republic of

Beijing: (86) 1-5008063

Guangzhou: (86) 20-686217

Shanghai: (86) 21-3737256

#### Czech Republic

(42) 2-35-02-27

(42) 2-35-23-75

#### Denmark

(46) 59-00-23

#### Finland

Tel. (90) 8045110

#### France

(1) 30-12-70-00

#### Germany

(06196) 494-0

#### Hong Kong

(852) 2803-9111

#### Hungary

(36) 11-62-06-86

#### India

Bangalore:

(812) 394657

#### Italy

Milano: (02) 25078-1

Roma: (06) 5203600

#### Japan

(03) 3474-9111

#### Korea

(82-2) 5548305

#### Malaysia

(60) 3-7571322

#### Mexico

(525) 576-96-88

#### The Netherlands

(01608) 22000

#### Norway

472- 267-82-53

#### Poland

(48) 2-669-12-25

(48) 2-663-70-31

#### Puerto Rico

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#### Singapore

(65) 253-2733

#### Spain

Madrid: 91-729-03-00

Barcelona: 93-325-96-16

#### Sweden

Sundbyberg:

08-628-69-60

#### Switzerland

(01) 945-3242

#### Taiwan

(886-2) 7001742

#### U K and Ireland

(0923) 816375

#### United States of America

Toll Free

1-800-MILLIPORE

(800-645-5476)

In Puerto Rico:

(809) 747-8444

#### In All Other Countries:

Millipore Intertech, U.S.A.

(617) 275-9200

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P35413, Rev - 9/8/95

# MILLIPORE

## EnviroGard™ DDT in Soil Test Kit

### ENVR 000 31

### Intended Use

The EnviroGard DDT in Soil Test Kit is a qualitative or semi-quantitative field test for the detection of DDT and its metabolites DDD and DDE in soil. The EnviroGard DDT in Soil Test Kit allows rapid semi-quantitative screening for DDT at 0.2, 1.0, and 10.0 parts per million (ppm) in soils.

### Test Principles

The EnviroGard DDT in Soil Test Kit is based on the use of polyclonal antibodies that bind either DDT or DDT-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When DDT is present in the sample, it competes with the DDT-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing DDT is added to a test tube containing Assay Diluent. DDT-Enzyme Conjugate is then added to the test tube. The DDT-Enzyme Conjugate competes with the DDT for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound DDT-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of DDT-Enzyme Conjugate molecules, a sample that contains a low concentration of DDT allows the antibody to bind many DDT-Enzyme Conjugate molecules.

Therefore, a low concentration of DDT produces a dark blue solution. Conversely, a high concentration of DDT allows fewer DDT-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

**NOTE:** Color is inversely proportional to DDT concentration.

Darker color = Lower concentration  
Lighter color = Higher concentration

### Performance Characteristics

The EnviroGard DDT in Soil Test Kit will not differentiate between DDT, its metabolites, and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD), and the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm) in soil.

| Compound                          | LLD   | IC50  |
|-----------------------------------|-------|-------|
| <i>p,p'</i> -DDT (kit calibrator) | 0.04  | 1.25  |
| <i>p,p'</i> -DDD                  | 0.01  | 0.3   |
| <i>p,p'</i> -DDE                  | 0.18  | 3.6   |
| <i>o,p'</i> -DDT                  | 4     | 93    |
| <i>o,p'</i> -DDD                  | 0.4   | 11    |
| <i>o,p'</i> -DDE                  | 3     | 93    |
| DDA                               | 0.002 | 0.04  |
| Chloropropylate                   | 0.007 | 0.08  |
| Chlorobenzilate                   | 0.03  | 0.35  |
| Dicofol                           | 0.14  | 2     |
| Tetradifon                        | 1.2   | 14    |
| Thiobencarb                       | 5     | 52    |
| Tebuconazole                      | 7     | 95    |
| Neburon                           | 17    | 284   |
| Chloroxuron                       | 24    | 216   |
| Monolinuron                       | 25    | 714   |
| Diclofop                          | 70    | >1000 |

The following compounds have lower limits of detection > 100 ppm:

|               |                            |
|---------------|----------------------------|
| 2,4-D         | 4-chlorophenoxyacetic acid |
| Chlorbromuron | Chlordane                  |
| Chlortoluron  | Dicamba                    |
| Diffubenzuron | Diuron                     |
| Lindane       | Linuron                    |
| MCPA acid     | MCPB                       |
| Mecoprop      |                            |

## Precautions

- Treat DDT, solutions that contain DDT and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.
- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the DDT calibrator vials to prevent evaporative loss.
- Distribution of DDT in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.
- DDT is light sensitive. Store soil extracts at 2°C to 7°C, shielded from direct light.

## Materials Provided

### EnviroGard DDT in Soil Test Kit

This test kit contains the following items:

- 20 Antibody-Coated Test Tubes
- 1 vial of Assay Diluent

- 1 vial of Negative Control (methanol)
- 1 vial of 0.2 ppm DDT Calibrator in methanol
- 1 vial of 1.0 ppm DDT Calibrator in methanol
- 1 vial of 10.0 ppm DDT Calibrator in methanol
- 1 vial of DDT-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack
- 22 Pipette Tips, yellow (for the Gilson M-25 Micro-man® Positive Displacement Pipettor)

## Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

### EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of DDT in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV13 filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

### Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Kit. You must order it separately. (See "Ordering Information.")

## Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab. (See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- Eppendorf™ Repeater® Pipettor and five Combitips® (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

### Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination. Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low DDT concentration. Use a new pipettor tip each time you pipette a new unknown.

## Assay Procedure

### Collect/Store the Sample

1. Collect soil in appropriately-sized and labeled containers.
2. Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.

3. Store soil samples at 4°C (39°F).

### Prepare the Sample/Extract the Soil

1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
2. **5 mL of Methanol** will be used to extract DDT residue from a 5 gram soil sample. As per instructions, attach a **50 mL** Combitip to the Repeater pipettor and set the dial to **5**. Deliver once to add **5 mL** of **methanol** to the extraction vial, and cap tightly.

### Perform the Test

**NOTE:** Allow all reagents and sample extracts to reach room temperature before you begin the test. Do not analyze more than 20 test tubes at a time.

1. The choice of calibrators to use in the test will depend on the the selection of the analyst. The use of two calibrators may be appropriate if screening for a single level of DDT.

Remove the test tubes from the plastic bag and label them as follows\*:

| <u>Tube Label</u> | <u>Tube Contents</u> |
|-------------------|----------------------|
| NC                | Negative Control     |
| C1                | 0.2 ppm Calibrator   |
| C2                | 1.0 ppm Calibrator   |
| C3                | 10.0 ppm Calibrator  |
| S1                | sample 1             |
| S2                | sample 2             |
| etc.              |                      |

\* You are not required to perform the assay in duplicate; however, doing so will increase the precision.

Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

**CAUTION:** Do not "snap" the test tubes into the rack as this may result in a cracked tube.

2. Attach the **12.5 mL** Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to **2**. Add 500 microliters (µL) of Assay Diluent to each test tube.
3. Attach a clean pipette tip to the Microman pipettor and adjust the dial to **"250"**. Add 25 µL of each calibrator (including Negative Control) to the corresponding test tube by placing the end

of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. Use a clean pipette tip each time.

**CAUTION:** Replace the caps on the calibrator vials immediately after use to minimize evaporation.

4. Using a clean tip for each sample, add 25  $\mu\text{L}$  of each sample extract to the appropriately-labeled test tube.
5. Attach the **5.0 mL** Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to **1**. Add 100  $\mu\text{L}$  of DDT-Enzyme Conjugate to each test tube.
6. Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for 15 minutes.
7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to **overflowing** with cool tap or distilled water, then decant and vigorously shake out the remaining water.  
  
Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.
8. Attach the **12.5 mL** Combitip labeled "Substrate" to the Repeater pipettor and set the dial to **2**. Add 500  $\mu\text{L}$  of Substrate to each test tube. Leave the test tubes undisturbed for 10 minutes.

**NOTE:** If a blue color does not develop in the Negative Control test tube within 10 minutes after adding the Substrate, the test is invalid and you must repeat it.

## Interpret the Results

You can either interpret the results visually within 10 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

### Visual Interpretation

After you add the Substrate, wait 10 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

**NOTE:** The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of *p,p'*-DDT, *p,p'*-DDD, and *p,p'*-DDE.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains DDT at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain DDT at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains DDT at a concentration between the calibrator concentrations.
- If a sample test tube contains *approximately the same* amount of color as the calibrator test tube, the sample contains DDT at a concentration *approximately equal* to the calibrator.
- If the sample test tube contains less color than the 10 ppm Calibrator test tube, you may dilute a fraction of the soil extract in methanol (for example, 1:100) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

## Photometric Interpretation

After you add the Substrate, wait 10 minutes then add the Stop Solution to each test tube.

**WARNING:** Stop solution is 1N Hydrochloric acid. Handle carefully.

Attach the **12.5 mL** Combitip labeled "Stop" to the Repeater pipettor and set the dial to **2**. Add 500  $\mu\text{L}$  of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

**NOTE:** After you add Stop Solution to the test tubes, results should be read within 30 minutes.

## Millipore Differential Photometer

1. Place a water blank test tube containing 1.5 mL of Milli-RO® or Milli-Q® water, or equivalent in the left (reference) well.
2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
3. Remove the Negative Control test tube and replace it with the 0.2 ppm Calibrator test tube



to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

### Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

**NOTE:** The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of *p,p'*-DDT, *p,p'*-DDD, and *p,p'*-DDE.

- If a sample OD is *equal* to the OD of a calibrator, the sample contains DDT at a concentration *approximately equal* to the calibrator.
- If a sample OD is *greater* than a calibrator OD, the sample contains *less* DDT than the calibrator.
- If a sample OD is *lower* than a calibrator OD, the sample may contain *more* DDT than that calibrator.
- If an assay result indicates that a soil sample contains greater than 10 ppm total DDT, but you need more specific information, the soil extract may be diluted 1:100 in neat methanol, and assayed again. You must then multiply the results of the re-assay by 100 to determine the approximate sample concentration.

**NOTE:** If you know in advance that the "action level" of interest is greater than 10 ppm total DDT in soil, the assay may be modified to pinpoint that particular concentration. For example:

If you wish to categorize samples as less than or greater than 250 ppm, you should dilute all sample extracts 1:250 in neat methanol (e.g. 20 µL extract plus 4.98 mL methanol) and compare the diluted extracts to the 1 ppm DDT kit calibrator. Due to the 250-fold dilution, the 1 ppm calibrator represents 250 ppm in the assay.

**NOTE:** If you are interested in action levels greater than 1000 ppm, please contact Millipore Technical Services for assistance.

### Example

Actual OD values will vary. This data is for demonstration purposes only.

| Tube          | OD   | Interpretation     |
|---------------|------|--------------------|
| NC            | 0.90 |                    |
| C1 (0.2 ppm)  | 0.75 |                    |
| C2 (1.0 ppm)  | 0.49 |                    |
| C3 (10.0 ppm) | 0.35 |                    |
| S1            | 0.68 | >0.2 ppm < 1.0 ppm |
| S2            | 0.16 | > 10.0 ppm         |

**NOTE:** The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

### Limitations of the Procedure

The EnviroGard DDT in Soil Test Kit is a qualitative/semi-quantitative screening test only. Actual quantitation of DDT by EnviroGard immunoassay is not possible due to the Test kit's cross-reactivity with DDT breakdown products and other similar compounds and to the variations in extraction efficiency inherent in the fast extraction protocol described in this product insert.

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immunoassay) should always derive from the same homogenate.



## Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard DDT in Soil Test Kit, Soil Extraction Bottle Kit and related products.

| Description   | Catalogue Number   |
|---|--|
| EnviroGard DDT in Soil Test Kit   | ENVR 000 31  |
| EnviroGard Soil Extraction Bottle Kit   | •ENSP 000 30   |
| Methanol for soil extraction, 100 mL bottle   | ELCR 000 07  |
| Millipore Differential Photometer:<br>• 115 volt (V), or<br>• 230 V   | ENVR 000 00<br>ENVR 002 30   |
| EnviroQuant Photometer, 110V, or<br>EnviroQuant Photometer, 220V  | ENVR T11 00<br>ENVR T22 00   |
| EnviroQuant Replacement Paper, 12 rolls   | ENVR T11 02  |
| Positive Displacement Precision Pipettor, Adjustable (2-250 $\mu$ L)<br>Repeater Pipettor<br>EnviroGard Replacement Pipettor Tips (available separately):<br>• Positive displacement pipettor tips, 1-25 $\mu$ L range 200/pk (not preassembled)<br>• Repeater pipettor tips, 5.0 mL, 100/pk<br>• Repeater pipettor tips, 12.5 mL, 100/pk<br>• Repeater pipettor tips, 50 mL, 10/pk   | ENVR SP0 06<br>ENVR SP0 01<br><br>ENVR L04 09<br><br>ENVR L01 09<br>ENVR L02 09<br>ENVR L03 09 |
| EnviroGard Soil Field Lab includes:<br>• 1 Portable balance with 100 gram calibrator weight<br>• 1 Eppendorf Repeater pipettor<br>• 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes<br>• 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes<br>• 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes<br>• 1 Positive displacement precision pipettor, adjustable (2-250 $\mu$ L)<br>• 1 Electronic timer<br>• 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and sample dilutions)<br>• 4 Test tube racks, six-position<br>• 1 Wash bottle, 500 mL<br>• 1 125 mL large mouth bottle<br>• 2 Work stations<br>• 1 Soil extraction rack<br>Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.) | ENVR L00 09  |

## Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

### IN THE U.S. AND CANADA

Call toll-free **800-MILLIPORE** (800-645-5476)

In the U.S. FAX Orders (617) 533-8873

In Canada FAX Orders (613) 225-9366

### Millipore Worldwide:

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A•C•N: (001) 239-818

Toll Free (008) 222-111

In Sydney Area (02) 428-7333

#### Austria, Central Europe, C.L.S., Africa, Middle-East, and Gulf

In Austria: (43) 1-877-8926

#### Baltic Republics

In Finland: (358) 0 8045110

#### Belgium and Luxembourg

(02) 726-8840

#### Brazil

(011) 548-7011

#### Canada

Toll Free 1-800-645-5476

In Toronto Area: 416-678-2161

#### China, People's Republic of

Beijing: (86) 1-5008063

Guangzhou: (86) 20-686217

Shanghai: (86) 21-3737256

#### Czech Republic

(42) 2-35-02-27

(42) 2-35-23-75

#### Denmark

(46) 59-00-23

#### Finland

Tel. (90) 8045110

#### France

(1) 30-12-70-00

#### Germany

(06196) 494-0

#### Hong Kong

(852) 2803-9111

#### Hungary

(36) 11-62-06-86

#### India

Bangalore:

(812) 394657

#### Italy

Milano: (02) 25078-1

Roma: (06) 5203600

#### Japan

(03) 3474-9111

#### Korea

(82-2) 5548305

#### Malaysia

(60) 3-7571322

#### Mexico

(525) 576-96-88

#### The Netherlands

(01608) 22000

#### Norway

472- 267-82-53

#### Poland

(48) 2-569-12-25

(48) 2-663-70-31

#### Puerto Rico

809-747-8444

#### Singapore

(65) 253-2733

#### Spain

Madrid: 91-729-03-00

Barcelona: 93-325-96-16

#### Sweden

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08-628-69-60

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(0923) 816375

#### United States of America

Toll Free

1-800-MILLIPORE

(800-645-5476)

In Puerto Rico:

(809) 747-8444

#### In All Other Countries:

Millipore Intertech, U.S.A.

(617) 275-9200

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In the event of a breach of the foregoing warranty, Millipore's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period, provided the customer notifies Millipore promptly of any such defect. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as Millipore is willing to repair or replace any nonconforming Millipore product or part. **Millipore shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by a customer from the use of its products.** However, in some states the purchaser may have rights under state law in addition to those provided by this warranty.

## Safety

To receive complete safety information on this product, contact the nearest Millipore office and request Material Safety Data Sheet documents P70002, P34782, P34207 and P34210.

## Acknowledgment

This kit was developed in collaboration with the Commonwealth Scientific and Industrial Research Organization (Australia) using reagents produced and supplied under exclusive license to Millipore and ImmunoSystems Incorporated.

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**USEPA LEVEL II ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

| METH   | Site ID/Field Samp. No.:<br>(feet): | Depth<br>Date Sampled:<br>Lab ID: | UNITs  | GP-03-01/P030110X<br>11-14-1996<br>0526440001 | GP-03-02/P030210X<br>11-14-1996<br>0526440002 | GP-03-03/P030310X<br>11-14-1996<br>0526440003 | GP-03-04/P030410X<br>11-14-1996<br>0526440004 | GP-03-05/P030510X<br>11-15-1996<br>0526440005 | GP-03-06/P030610X<br>11-15-1996<br>0526440006 | GP-03-07/P030710X<br>11-15-1996<br>0526440007 | GP-03-08/P030810X<br>11-15-1996<br>0526440008 | GP-03-09/P030910X<br>11-15-1996<br>0526440009 |
|--------|-------------------------------------|-----------------------------------|--------|---|---|---|---|---|---|---|---|---|
| 8260   | 1,1,1-Trichloroethane               | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,1,2,2-Tetrachloroethane           | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,1,2-Trichloroethane               | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,1-Dichloroethane                  | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,1-Dichloroethane                  | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,2-Dichloroethane                  | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,2-Dichloroethane-44               | %                                 | 98     | 101   | 98  | 98  | 99  | 99  | 94  | 101   | 100   | 102   |
| 8260   | 1,2-Dichloroethane (total)          | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 1,2-Dichloropropane                 | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | 2-Chloropropane (MER)               | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | 2-Hexanone                          | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | 4-Bromofluorobenzene                | %                                 | 103    | 102   | 102   | 103   | 103   | 103   | 100   | 102   | 101   | 102   |
| 8260   | 4-Methyl-2-pentanone (MIBK)         | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | Acetone                             | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | Benzene                             | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Bromodichloromethane                | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Bromomethane                        | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | Carbon disulfide                    | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Carbon tetrachloride                | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Chlorobenzene                       | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Chloroethane                        | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | Chloroform                          | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Chloromethane                       | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | cis-1,3-Dichloropropene             | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Dibromodichloromethane              | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Ethylbenzene                        | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Methylene chloride                  | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Styrene                             | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Trichloroethane                     | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Toluene                             | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Toluene-d8                          | %                                 | 102    | 102   | 103   | 103   | 102   | 102   | 100   | 102   | 102   | 102   |
| 8260   | trans-1,3-Dichloropropene           | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Trichloroethane                     | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Vinyl acetate                       | ug/kg                             | ND 10  | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260   | Vinyl chloride                      | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260   | Xylenes (total)                     | ug/kg                             | ND 5   | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| E413.1 | Oil and Grease                      | mg/kg                             | ND 100 | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  |

Notes: ND = Non-Detected, followed by quantitation limit  
ug/kg = micrograms per kilogram, or parts per billion

**FORT ALLEN**  
**JUANA DIAZ, PUERTO RICO**

Notes: ND = Non-Detect, followed by  $\mu\text{g/g}$  = micrograms per kilogram.

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

| Site ID/Field Samp. No.:<br>(feet) | Depth:<br>Date Sampled:<br>Lab ID: | GP-09-07/PO80710X<br>11-14-1996<br>0528210011 | GP-09-08/PO80810X<br>11-14-1996<br>0528210012 | GP-M9-01/PM80110X<br>11-16-1996<br>0528740001 | GP-M9-02/PM80210X<br>11-16-1996<br>0528740002 | GP-M9-03/PM80310X<br>11-16-1996<br>0528740003 | GP-M9-04/PM80410X<br>11-16-1996<br>0528740004 | GP-M9-05/PM80510X<br>11-16-1996<br>0528740005 | GP-WW-01/PMW0110X<br>11-16-1996<br>0528740008 | GP-WW-02/PMW0210X<br>11-16-1996<br>0528740009 |
|------------------------------------|------------------------------------|---|---|---|---|---|---|---|---|---|
| METH                               |                                    |   |   |   |   |   |   |   |   |   |
| 8260                               | 1,1,1-Trichloroethane              | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,1,2,2-Tetrachloroethane          | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,1,2-Trichloroethane              | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,1-Dichloroethane                 | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,2-Dichloroethane                 | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,2-Dichloroethane-d4              | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 1,2-Dichloroethane (total)         | 98  | 100   | 81  | 97  | 97  | 100   | 100   | 101   | 99  |
| 8260                               | 1,2-Dichloropropane                | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | 2-Butanone (MEK)                   | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | 2-Hexanone                         | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | 4-Bromofluorobenzene               | 102   | 102   | 105   | 100   | 104   | 100   | 98  | 99  | 101   |
| 8260                               | 4-Methyl-2-pentanone (MIBK)        | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | Acetone                            | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | Benzene                            | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Bromodichloroethanes               | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Bromoform                          | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Bromomethanes                      | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | Carbon disulfide                   | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Carbon tetrachloride               | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Chlorobenzene                      | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Chloroethane                       | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | Chloroform                         | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Chloroethanes                      | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | cis-1,3-Dichloropropene            | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Dibromodichloromethanes            | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Ethylbenzene                       | ND 5  | ND 5  | 1700  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Methylene chloride                 | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Styrene                            | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Tetrachloroethane                  | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Toluene                            | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Toluene-d8                         | 102   | 102   | 104   | 102   | 103   | 103   | 100   | 102   | 102   |
| 8260                               | trans-1,3-Dichloropropene          | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Trichloroethanes                   | ND 5  | ND 5  | ND 500  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Vinyl acetate                      | ND 10   | ND 10   | ND 1000                                       | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   | ND 10   |
| 8260                               | Vinyl chloride                     | ND 5  | ND 5  | ND 1000                                       | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| 8260                               | Xylenes (total)                    | ND 5  | ND 5  | 1100  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  | ND 5  |
| E413.1                             | Oil and Grease                     | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  | ND 100  |

Notes: ND = Non-Detect, followed by qua  
ug/kg = micrograms per kilogram,

TABLE J-1  
LEVEL II SUBSURFACE SOIL ANALYTICAL DATA  
VOCs AND OIL GREASE

FORT ALLEN  
JUANA DIAZ, PUERTO RICO

| METH   | Site ID/Field Samp. No.:<br>(Field): Lab ID: | Depth:<br>Data Sampled: | GP-WW-02-PPWV0304X<br>11-17-1999<br>0628740010 | GP-WW-04-PPWV0410X<br>11-16-1999<br>0628740011 | GP-WW-05-PPWV0510X<br>11-16-1999<br>0628740012 | GP-WW-06-PPWV0610X<br>11-16-1999<br>0628740013 |
|--------|--|-------------------------|--|--|--|--|
| E290   | 1,1,1-Trichloroethane                        | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,1,2,2-Tetrachloroethane                    | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,1,2-Trichloroethane                        | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,1-Dichloroethane                           | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,2-Dichloroethane                           | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,2-Dichloroethane-46                        | 99                      | 100  | 101  | 98   | 98   |
| E290   | 1,2-Dichloroethane (Total)                   | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 1,3-Dichloropropane                          | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | 2-Butanone (MEK)                             | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | 2-Heptanone                                  | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | 4-Bromobenzene                               | 100                     | 99   | 101  | 101  | 101  |
| E290   | 4-Methyl-2-pentanol (MMP)                    | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Acetone                                      | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Benzene                                      | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Bromodichloromethane                         | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Bromochloromethane                           | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Bromomethane                                 | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Carbon disulfide                             | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Carbon tetrachloride                         | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Chlorobenzene                                | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Chloroethane                                 | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Chloroform                                   | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Chloromethane                                | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | cis-1,3-Dichloropropene                      | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Dibromodichloromethane                       | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Ethylbenzene                                 | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Methylcyclohexane                            | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Methylene chloride                           | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Styrene                                      | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Tetrachloroethane                            | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Toluene                                      | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Trans-1,3-Dichloropropene                    | 102                     | 101  | 100  | 100  | 100  |
| E290   | Trichloroethane                              | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Vinyl acetate                                | ND 10                   | ND 10  | ND 10  | ND 10  | ND 10  |
| E290   | Vinyl chloride                               | ND 5                    | ND 5   | ND 5   | ND 5   | ND 5   |
| E290   | Xylenes (Total)                              | ND 100                  | ND 100   | ND 100   | ND 100   | ND 100   |
| E113.1 | Oil and Grease                               | ND 100                  | ND 100   | ND 100   | ND 100   | ND 100   |

Notes: ND = Non-Detect, followed by quantity in micrograms per kilogram.



**USAEC/IRDMIS ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

**IRDMIS DATA-FINAL DOCUMENTATION REPORTS**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|--------------------------------------|------------|----------------------|------------|----------------|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL      | 52678-11      | DRO /S       | 7439-92-1 | Diesel range organics                | 18.6       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GP81/S       |           | Lead                                 | 32         | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Gasoline range organics              | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               | GSE1/S       | 7782-49-2 | Selenium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7440-28-0 | Thallium                             | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7439-97-6 | Mercury                              | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7440-36-0 | Antimony                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Arsenic                              | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Beryllium                            | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Aluminum                             | 21800      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Iron                                 | 27900      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Magnesium                            | 22500      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Manganese                            | 980        | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-02-0 | Nickel                               | 35.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-09-7 | Potassium                            | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-22-4 | Silver                               | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-23-5 | Sodium                               | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium                               | 154        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium                             | 28.3       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt                               | 18.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper                               | 56.3       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium                             | 71.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc                                 | 63.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               | SMV2/S       | 7440-70-2 | Calcium                              | 1.02 E 5   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-01-6  | 4-Nitroaniline                       | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | / Phenyllic acid / Phe*              |            |                      |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene      | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL 52678-11   |     | SWV2/S       | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 1610-18-0 | 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato* | .15        | UGG VS               |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5  | Indeno[1,2,3-c,d]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3   | Benzo[e]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 593-45-3  | Octadecane  | .21        | UGG VS               |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1   | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1   | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9   | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2   | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2   | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8   | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7   | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7   | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8   | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5   | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2   | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4   | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5   | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3   | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6   | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo | Conc   | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|--|-------|--------|----------------------|------------|----------------|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL      | 52678-11      | SMV2/S       | 91-58-7   | 2-Chloronaphthalene                                | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT    | .8     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8   | 2-Chlorophenol                                     | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT    | .8     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2   | 3-Nitroaniline                                     | LT    | .8     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Bromophenyl phenyl ether                         | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Chlorophenyl phenyl ether                        | LT    | .33    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 539                               |       | 6      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 551                               |       | .1     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 591                               |       | .1     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 605                               |       | .1     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 606                               |       | .3     | UGG VD               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 613                               |       | .3     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 614                               |       | .2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 615                               |       | .3     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 623                               |       | .5     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 630                               |       | .4     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 637                               |       | .1     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 640                               |       | 1      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 647                               |       | 9 E -2 | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 658                               |       | .2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 659                               |       | 9 E -2 | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 663                               |       | .2     | UGG V                |            |                |
| SS-09-02  | S090201X |                  | 1.0   | 19-NOV-96   | RL      | 52678-12      | DRO /S       |           | Diesel range organics                              |       | 6.74   | UGG V                |            |                |
|           |          |                  |       |             |         |               | GPB1/S       | 7439-92-1 | Lead   |       | 3.23   | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Gasoline range organics                            |       | LT .5  | UGG V                |            |                |
|           |          |                  |       |             |         |               | GSE1/S       | 7782-49-2 | Selenium   |       | LT 1   | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7440-28-0 | Thallium   |       | LT 2   | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7439-97-6 | Mercury  |       | LT .2  | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7440-36-0 | Antimony   |       | LT 1   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Arsenic  |       | LT 5   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Beryllium  |       | LT 1   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Cadmium  |       | LT 1   | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Aluminum   |       | 27300  | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Iron   |       | 36100  | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Magnesium  |       | 24500  | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Manganese  |       | 585    | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-02-0 | Nickel   |       | 42.2   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-09-7 | Potassium  |       | 1390   | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL      | 52678-12      | ICP1/S       | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-23-5 | Sodium  | 6120       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium  | 159        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium  | 41.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt  | 21.1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper  | 68.5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | 129        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | 54.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 57800      | UGG V                |            |                |
|           |          |                  |       |             |         |               | SNV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene           | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol         | LT 1       | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|-----------|------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL      | 52678-12      | SMV2/S       | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 539  | 6          | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 551  | 9 E -2     | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 606  | 9 E -2     | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 614  | .1         | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 615  | .4         | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 623  | 7          | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 637  | .3         | UGG       | VB         |            |                |
|           |          |                  |       |             |         |               |              |          | Unknown compound 637  | .8         | UGG       | VBD        |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL 52678-12   | SHV2/S       | 7439-92-1 | Unknown compound 660  | 1          | UGG V                |            |                |
|           | SS-LE-01 | SLE0101X         | 1.0   | 19-NOV-96   | RL 52678-07   | DR0 /S       |           | Diesel range organics                                       | 8.95       | UGG V                |            |                |
|           |          |                  |       |             |               | GRO /S       |           | Lead  | 79         | UGG BV               |            |                |
|           |          |                  |       |             |               | GSE1/S       | 7782-49-2 | Gasoline range organics                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               | GTL1/S       | 7440-28-0 | Selenium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               | HGC1/S       | 7439-97-6 | Thallium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               | ICH1/S       | 7440-36-0 | Mercury   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-38-2 | Antimony  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-41-7 | Arsenic   | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-43-9 | Beryllium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               | ICP1/S       | 7429-90-5 | Cadmium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7439-89-6 | Aluminum  | 4200       | UGG V8               |            |                |
|           |          |                  |       |             |               |              | 7439-95-4 | Iron  | 6800       | UGG V8               |            |                |
|           |          |                  |       |             |               |              | 7439-96-5 | Magnesium   | 11000      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-02-0 | Manganese   | 230        | UGG V8               |            |                |
|           |          |                  |       |             |               |              | 7440-09-7 | Nickel  | LT 16      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-22-4 | Potassium   | LT 2000    | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-23-5 | Silver  | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-39-3 | Sodium  | LT 2000    | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-47-3 | Barium  | LT 80      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-48-4 | Chromium  | LT 6       | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-50-8 | Cobalt  | LT 20      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-62-2 | Copper  | LT 10      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-66-6 | Vanadium  | LT 20      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 7440-70-2 | Zinc  | 140        | UGG V                |            |                |
|           |          |                  |       |             |               | SHV2/S       | 100-01-6  | Calcium   | 3.6 E 5    | UGG V                |            |                |
|           |          |                  |       |             |               |              | 100-02-7  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 105-67-9  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 106-44-5  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 106-46-7  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 106-47-8  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 108-60-1  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 108-95-2  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 111-44-4  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 111-91-1  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 117-81-7  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 117-84-0  | Bis(2-ethylhexyl) phthalate                                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |              | 118-74-1  | Di-n-octyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 120-12-7  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 120-82-1  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 120-83-2  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              | 121-14-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |              |           | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|-----------|------------|------------|----------------|
| PLUG      | SS-LE-01 | SLE0101X         | 1.0   | 19-NOV-96   | RL      | 52678-07      | SNV2/S       | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 72-54-8  | ppDDD / 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane / Rhoth* | .19        | UGG VS    |            |            |                |
|           |          |                  |       |             |         |               |              | 72-55-9  | 2,2-Bis(p-chlorophenyl)-1,1-dichloroethene                  | .55        | UGG VS    |            |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V     |            |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO

Sampling Date Range: 01-JAN-75 28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|-----------|------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL      | 52678-08      | ICP1/S       | 7440-50-8 | Copper  | 83.2       | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | 36.4       | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | 697        | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 1.98 E 5   | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-c,d]pyrene                                     | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 573-98-8  | 1,2-Dimethylnaphthalene                                     | LT .15     | UGG       | VS         |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG       | V          |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description                                | Me Bo Conc | Unit Flag Mess Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|--|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL            | 52678-08 | SNV2/S       | 606-20-2 | 2,6-Dinitrotoluene                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5  | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6  | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7  | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1  | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8  | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4  | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2  | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 539                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 551                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 594                               | 7 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 606                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 615                               | .5         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 618                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 623                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 630                               | .3         | UGG VB0              |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 637                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 659                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |          |  | .2         | UGG V                |            |                |

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|--------------------------------------|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL 52678-08   | RL  | SMV2/S       | 7439-92-1 | Unknown compound 663                 | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 668                 | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Diesel range organics                | 1260       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Lead                                 | 25         | UGG BV               |            |                |
|           |          |                  |       |             |               |     |              |           | Gasoline range organics              | 10.6       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Selenium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Thallium                             | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Mercury                              | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Antimony                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Arsenic                              | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Beryllium                            | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Aluminum                             | 15300      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Iron                                 | 23500      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Magnesium                            | 11500      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Manganese                            | 698        | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Nickel                               | 25.4       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Potassium                            | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Silver                               | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Sodium                               | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Barium                               | 66.8       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Chromium                             | 20         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Cobalt                               | 13.1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Copper                               | 34.1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Vanadium                             | 72         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Zinc                                 | 67.8       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Calcium                              | 74200      | UGG V                |            |                |
|           |          |                  |       |             |               |     | SMV2/S       | 100-01-6  | 4-Nitroaniline                       | LT 3       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol                        | LT 3       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol                   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene                  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline                      | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether         | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carboic acid / Phenic acid  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | / Phenylc acid / Phe*                |            |                      |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane          | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 112-95-8  | Eicosane                             | 5          | UGG VS               |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate          | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                 | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene                    | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene                           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene               | LT 1       | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab No.  | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Qual's |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|-----------------|
| PLUG      | SS-M9-01 | SM90101X         | 1.0   | 19-NOV-96   | RL            | 52678-13 | SMW2/S       | 120-83-2  | 2,4-Dichlorophenol  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT 2       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 1921-70-6 | 2,6,10,14-Tetramethylpentadecane                            | LT 2       | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT 2       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT 2       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 3       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 2       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 541-73-1  | 1,3-Dichlorobenzene   | LT 4       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 544-76-3  | Hexadecane  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 56-55-3   | Benzo[a]anthracene  | 10         | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 593-45-3  | Octadecane  | LT 1       | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 606-20-2  | 2,6-Dinitrotoluene  | 9          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | 5          | UGG VSD              | -----      | -----           |
|           |          |                  |       |             |               |          |              | 629-50-5  | Tridecane   | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 629-59-4  | Tetradecane   | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 629-78-7  | Heptadecane   | 9          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 629-92-5  | Nonadecane  | 9          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 629-94-7  | Heneicosane   | 9          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 638-67-5  | Tricosane / n-Tricosane                                     | 5          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 67-72-1   | Hexachloroethane  | 9          | UGG VS               | -----      | -----           |
|           |          |                  |       |             |               |          |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 78-59-1   | Isophorone  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 83-32-9   | Acenaphthene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 84-66-2   | Diethyl phthalate   | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 84-74-2   | Di-n-butyl phthalate  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 85-01-8   | Phenanthrene  | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 85-68-7   | Butylbenzyl phthalate                                       | LT 1       | UGG V                | -----      | -----           |
|           |          |                  |       |             |               |          |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT 1       | UGG V                | -----      | -----           |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth   | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description                            | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|--|------------------|---------|-------------|---------------|----------|--------------|---------|--|------------|----------------------|------------|----------------|
| PLUG      | SS-M9-01   | SM90101X         | 1.0     | 19-NOV-96   | RL            | 52678-13 | SMW2/S       | 86-73-7 | Fluorene / 9H-Fluorene                         | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 86-74-8 | Carbazole / 9H-Carbazole                       | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 87-68-3 | Hexachlorobutadiene / Hexachloro-1,3-butadiene | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 87-86-5 | Pentachlorophenol                              | LT 3       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 88-06-2 | 2,4,6-Trichlorophenol                          | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 88-74-4 | 2-Nitroaniline                                 | LT 3       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 88-75-5 | 2-Nitrophenol                                  | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                      | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 91-57-6 | 2-Methylnaphthalene                            | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 91-58-7 | 2-Chloronaphthalene                            | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                         | LT 3       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol           | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene                            | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              | 95-57-8 | 2-Chlorophenol                                 | LT 1       | UGG V                |            |                |
| 95-95-4   | 2,4,5-Trichlorophenol                              | LT 3             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
| 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT 1             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
| SS-LW-01  |  | SMW0102X         | 2.0     | 19-NOV-96   | RL            | 52678-10 | DRO /S       | 99-09-2 | 3-Nitroaniline                                 | LT 3       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | 4-Bromophenyl phenyl ether                     | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | 4-Chlorophenyl phenyl ether                    | LT 1       | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 539                           | 4          | UGG VB               |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 563                           | 5          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 564                           | 3          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 566                           | 3          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 567                           | 4          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 574                           | 5          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 580                           | 2          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         |  | .6         | UGG VBD              |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 586                           | 3          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 592                           | 1          | UGG V                |            |                |
|           |  |                  |         |             |               |          |              |         | Unknown compound 596                           | 1          | UGG V                |            |                |
|           | Unknown compound 603                               | 1                | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Unknown compound 623                               | 1                | UGG VB  |             |               |          |              |         |  |            |                      |            |                |
|           | Diesel range organics                              | 1                | UGG VBD |             |               |          |              |         |  |            |                      |            |                |
|           |  | 16               | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Lead   | 22.6             | UGG BV  |             |               |          |              |         |  |            |                      |            |                |
|           | Gasoline range organics                            | LT .5            | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Selenium   | LT 1             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Thallium   | LT 2             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Mercury  | LT .2            | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Antimony   | LT 1             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Arsenic  | LT 5             | UGG V   |             |               |          |              |         |  |            |                      |            |                |
|           | Beryllium  | LT 1             | UGG V   |             |               |          |              |         |  |            |                      |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)**

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix  | CAS No. | Analyte Description | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|---|---------|---------------------|------------|----------------------|------------|----------------|
| PLUG      | SS-LW-01 | SMW0102X         | 2.0   | 19-NOV-96   | RL            | 52678-10 | ICM1/S<br>ICP1/S<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>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|         |                     |            |                      |            |                |



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-WW-01 | SWW0102X         | 2.0   | 19-NOV-96   | RL            | 52678-10 | SMV2/S       | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzofalpyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzofalanthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |          | Unknown compound 539  | 6          | UGG V8               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

10:31:44

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)

File Type: CSO

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|--------------|---------|----------------------|------------|----------------------|------------|----------------|
| PLUG      | SS-WW-01 | SMM0102X         | 2.0   | 19-NOV-96   | RL 52678-10   | SMV2/S       |         | Unknown compound 551 | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 606 | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 614 | .3         | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 615 | .5         | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 623 | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 630 | .3         | UGG VB80             |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 637 | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 640 | 2          | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 660 | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 671 | 1          | UGG V                |            |                |
|           |          |                  |       |             |               |              |         |                      | .2         | UGG V                |            |                |

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

## Final Documentation Appendix Report

Installation :Fort Allen, Puerto Rico (FN)

File Type: CS0

28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/<br>Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|-----------------|-----------|--------------------------------------|------------|-----------------|------------|----------------|
| BORE      | SB-08-01 | B080112X         | 12.0  | 19-NOV-96   | RL            | 52678-01 | DRO /S          | 7439-92-1 | Diesel range organics                | LT 4       | UGG V           |            |                |
|           |          |                  |       |             |               |          | GPB1/S          |           | Lead                                 | LT .5      | UGG BV          |            |                |
|           |          |                  |       |             |               |          | GRO /S          |           | Gasoline range organics              |            |                 |            |                |
|           |          |                  |       |             |               |          | GSE1/S          | 7782-49-2 | Selenium                             | LT 1       | UGG V           |            |                |
|           |          |                  |       |             |               |          | GTL1/S          | 7440-28-0 | Thallium                             | LT 2       | UGG V           |            |                |
|           |          |                  |       |             |               |          | HGC1/S          | 7439-97-6 | Mercury                              | LT .2      | UGG V           |            |                |
|           |          |                  |       |             |               |          | ICM1/S          | 7440-36-0 | Antimony                             | LT 2       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 | 7440-38-2 | Arsenic                              |            |                 |            |                |
|           |          |                  |       |             |               |          |                 | 7440-41-7 | Beryllium                            | 2.57       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 | 7440-43-9 | Cadmium                              | .316       | UGG V           |            |                |
|           |          |                  |       |             |               |          | ICP1/S          | 7429-90-5 | Aluminum                             | LT .2      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 25400      | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 24300      | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 51000      | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 47100      | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 17500      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 18200      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 957        | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           | Manganese                            | 973        | UGG VB          |            |                |
|           |          |                  |       |             |               |          |                 |           | Nickel                               | 34.7       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Potassium                            | LT 1000    | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | LT 1000    | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | LT 2       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 44.1       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 1580       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 1350       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 196        | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 152        | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 62.8       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 24.4       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Chromium                             | 251        | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Cobalt                               |            |                 |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 48.5       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Copper                               |            |                 |            |                |
|           |          |                  |       |             |               |          |                 |           | Vanadium                             | 192        | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Zinc                                 | 69.8       | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Calcium                              | 14000      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | 31300      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      |            |                 |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | LT .8      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | LT .8      | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           |                                      | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | 1,4-Dichlorobenzene                  | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | 4-Chloroaniline                      | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG V           |            |                |
|           |          |                  |       |             |               |          |                 |           | / Phenylvic acid / Phe*              | LT .33     | UGG V           |            |                |

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | 8080112X         | 12.0  | 19-NOV-96   | RL            | 52678-01         | SNV2/S   |   |            |                      |            |                |
|           |          |                  |       |             |               |                  | 111-44-4 | Bis(2-chloroethyl) ether  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 111-91-1 | Bis(2-chloroethoxy) methane   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 117-81-7 | Bis(2-ethylhexyl) phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 117-84-0 | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 118-74-1 | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-12-7 | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-82-1 | 1,2,4-Trichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 129-00-0 | Benzo[def]phenanthrene / Pyrene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 193-39-5 | Indeno[1,2,3-C,D]pyrene   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene                         | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>o</sup> | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 621-64-7 | N-Nitrosodi-n-propylamine   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 77-47-4  | Hexachlorocyclopentadiene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-68-7  | Butylbenzyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-30-6  | N-Nitrosodiphenylamine  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-73-7  | Fluorene / 9H-Fluorene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-74-8  | Carbazole / 9H-Carbazole  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 87-68-3  |   |            | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | B080112X         | 12.0  | 19-NOV-96   | RL      | 52678-01      | SMV2/S       | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5   | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2   | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4   | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5   | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3   | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6   | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 537                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 539                               | 6          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 614                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 615                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 623                               | 4          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 637                               | .2         | UGG VBD              |            |                |
| SB-08-02  | B080212X |                  | 12.0  | 19-NOV-96   | RL      | 52678-02      | DRO /S       | 7439-92-1 | Unknown compound 637                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |         |               | GP81/S       |           | Diesel range organics                              | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Lead   | 2.13       | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GSE1/S       |           | Gasoline range organics                            | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7782-49-2 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7440-28-0 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7439-97-6 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-36-0 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Arsenic  | 2.32       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Beryllium  | .428       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Cadmium  | .2         | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Aluminum   | 24300      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Iron   | 40700      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Magnesium  | 17800      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Manganese  | 1410       | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-02-0 | Nickel   | 45.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-09-7 | Potassium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-22-4 | Silver   | LT 2       | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | S8-08-02 | B080212X         | 12.0  | 19-NOV-96   | RL      | 52678-02      | ICP1/S       | 7440-23-5 | Sodium  | 4500       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium  | 169        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium  | 48.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt  | 26.2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper  | 56.2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | 131        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | 67.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 13600      | UGG V                |            |                |
|           |          |                  |       |             |         |               | SNV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene           | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol         | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1  | 1,3-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.            | Analyte Description   | Me Bo Conc       | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|--------------------|---|------------------|----------------------|------------|----------------|
| BORE      | SB-08-02 | B080212X         | 12.0  | 19-NOV-96   | RL 52678-02   |     | SMV2/S       | 56-55-3<br>59-50-7 | Benzofalanthracene<br>3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33<br>LT .33 | UGG V<br>UGG V       |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2           | 2,6-Dinitrotoluene  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7           | N-Nitrosodi-n-propylamine   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1            | Hexachloroethane  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4            | Hexachlorocyclopentadiene   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1            | Isophorone  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9            | Acenaphthene  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2            | Diethyl phthalate   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2            | Di-n-butyl phthalate  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8            | Phenanthrene  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7            | Butylbenzyl phthalate   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6            | N-Nitrosodiphenylamine  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7            | Fluorene / 9H-Fluorene  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8            | Carbazole / 9H-Carbazole  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3            | Hexachlorobutadiene / Hexachloro-1,3-butadiene                                    | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5            | Pentachlorophenol   | LT .8            | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2            | 2,4,6-Trichlorophenol   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4            | 2-Nitroaniline  | LT .8            | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5            | 2-Nitrophenol   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3            | Naphthalene / Tar camphor   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6            | 2-Methylnaphthalene   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-58-7            | 2-Chloronaphthalene   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1            | 3,3'-Dichlorobenzidine  | LT .8            | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7            | o-Cresol / 2-Cresol / 2-Methylphenol  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1            | 1,2-Dichlorobenzene   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8            | 2-Chlorophenol  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4            | 2,4,5-Trichlorophenol   | LT .8            | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3            | Nitrobenzene / Essence of mirbane / Oil of mirbane                                | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2            | 3-Nitroaniline  | LT .8            | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |                    | 4-Bromophenyl phenyl ether  | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |                    | 4-Chlorophenyl phenyl ether   | LT .33           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 539  | 6                | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 548  | .1               | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 549  | 9 E -2           | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 551  | 9 E -2           | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 606  | .1               | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 614  | .1               | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 615  | .4               | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    | Unknown compound 623  | 6                | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |                    |   | .4               | UGG VBD              |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-08-02 | 8080212X         | 12.0  | 19-NOV-96   | RL            | 52678-02 | SHV2/S       |           | Unknown compound 637  | 1          | UGG VB               |            |                |
|           | SB-09-01 | 8090112X         | 12.0  | 18-NOV-96   | RL            | 52678-14 | DR0 /S       |           | Diesel range organics                                       | 6.71       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GP81/S       | 7439-92-1 | Lead  | 2.92       | UGG BV               |            |                |
|           |          |                  |       |             |               |          | GR0 /S       |           | Gasoline range organics                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          | GSE1/S       | 7782-49-2 | Selenium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GTL1/S       | 7440-28-0 | Thallium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          | HGC1/S       | 7439-97-6 | Mercury   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICM1/S       | 7440-36-0 | Antimony  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Arsenic   | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Beryllium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Cadmium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICP1/S       | 7429-90-5 | Aluminum  | 25200      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Iron  | 33800      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Magnesium   | 20600      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Manganese   | 846        | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Nickel  | 31.4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium   | 1660       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | 132        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | 36.6       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | 24.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | 55.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 114        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 58.5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 23200      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SHV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | .46        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|-----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-01 | B090112X         | 12.0  | 18-NOV-96   | RL      | 52678-14  | SMV2/S       | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 1610-18-0 | 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato* | .32        | UGG VS               |            |                |
|           |          |                  |       |             |         |           |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 67-72-1   | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 78-59-1   | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 83-32-9   | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 84-66-2   | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 84-74-2   | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 85-01-8   | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 85-68-7   | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 86-73-7   | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 86-74-8   | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 87-86-5   | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 88-06-2   | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 88-74-4   | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 88-75-5   | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 91-20-3   | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |           |              | 91-57-6   | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth     | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix  | CAS No. | Analyte Description                                | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-----------|-------------|---------------|----------|---|---------|--|------------|-----------|------------|------------|----------------|
| BORE      | SB-09-01 | B090112X         | 12.0      | 18-NOV-96   | RL            | 52678-14 | SNV2/S  | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   | 99-09-2 | 3-Nitroaniline                                     | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |   |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG       | V          |            |                |
| SB-09-02  | B090212X | 12.0             | 18-NOV-96 | RL          | 52678-15      | 52678-15 | GRO /S<br>DRO /S<br>GP81/S<br>GSE1/S<br>GTL1/S<br>HGC1/S<br>ICM1/S<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | B090212X         | 12.0  | 18-NOV-96   | RL 52678-15   |     | ICP1/S       | 7440-62-2 | Vanadium  | 95.4       | UGG V                |            |                |
|           |          |                  |       |             |               |     | SMV2/S       | 7440-66-6 | Zinc  | 51.9       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-70-2 | Calcium   | 89500      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carboic acid / Phenic acid                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | / Phenyllic acid / Phe*                                     |            |                      |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | .58        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3   | Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene            | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CSO

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | S8-09-02 | 8090212X         | 12.0  | 18-NOV-96   | RL      | 52678-15      | SNV2/S       | 67-72-1 | Hexachloroethane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4 | Hexachlorocyclopentadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1 | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9 | Acenaphthene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2 | Diethyl phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2 | Di-n-butyl phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8 | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7 | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6 | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7 | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8 | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3 | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5 | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2 | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2 | 3-Nitroaniline                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 537                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 539                               | 10         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 544                               | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 547                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 549                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 551                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 596                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 606                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 614                               | .3         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 615                               | .8         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 623                               | 8          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         |  | .4         | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | B090212X         | 12.0  | 18-NOV-96   | RL 52678-15   |     | SMV2/S       |           | Unknown compound 637                                      | 2          | UGG VB               |            |                |
| BORE      | SB-09-03 | B090312X         | 12.0  | 18-NOV-96   | RL 52678-05   |     | DRO /S       |           | Diesel range organics                                     | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GPB1/S       | 7439-92-1 | Lead  | 2.55       | UGG BV               |            |                |
|           |          |                  |       |             |               |     | GRO /S       |           | Gasoline range organics                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     | GSE1/S       | 7782-49-2 | Selenium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GTL1/S       | 7440-28-0 | Thallium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     | HGC1/S       | 7439-97-6 | Mercury   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICM1/S       | 7440-36-0 | Antimony  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Arsenic   | 2.4        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Beryllium   | .391       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Cadmium   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7429-90-5 | Aluminum  | 23700      | UGG VB               |            |                |
|           |          |                  |       |             |               |     | ICP1/S       | 7439-89-6 | Iron  | 37100      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Magnesium   | 18500      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Manganese   | 614        | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Nickel  | 38         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Potassium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-23-5 | Sodium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-39-3 | Barium  | 156        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-47-3 | Chromium  | 46.5       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-48-4 | Cobalt  | 22.1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-50-8 | Copper  | 55.9       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-62-2 | Vanadium  | 124        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-66-6 | Zinc  | 58.9       | UGG V                |            |                |
|           |          |                  |       |             |               |     | SMV2/S       | 7440-70-2 | Calcium   | 27000      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-03 | BO90312X         | 12.0  | 18-NOV-96   | RL      | 52678-05      | SMV2/S       | 129-00-0 | Benzo[def]phenanthrene / Pyrene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene                         | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>o</sup> | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT .8      | UGG V                |            |                |

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Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97-

| Site Type | Site ID  | Field Sample No. | Depth     | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-----------|-------------|---------------|----------|--------------|-----------|--|------------|-----------|------------|------------|----------------|
| BORE      | SB-09-03 | B090312X         | 12.0      | 18-NOV-96   | RL            | 52678-05 | SHW2/S       | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Unknown compound 537                               | 9 E -2     | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Unknown compound 539                               | 6          | UGG       | VB         |            |                |
| SB-09-04  | B090412X | 12.0             | 18-NOV-96 | RL          | 52678-06      | DRO / S  | GPB1/S       | 7439-92-1 | Unknown compound 637                               | LT 4       | UGG       | VB         |            |                |
|           |          |                  |           |             |               |          |              |           | Diesel range organics                              | LT 4       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Lead   | 2.37       | UGG       | BV         |            |                |
|           |          |                  |           |             |               |          |              |           | Gasoline range organics                            | LT .5      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Selenium   | LT 1       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Thallium   | LT 2       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Mercury  | LT .2      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Antimony   | LT 1       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Arsenic  | LT 5       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              |           | Beryllium  | LT 1       | UGG       | V          |            |                |
| SB-09-04  | B090412X | 12.0             | 18-NOV-96 | RL          | 52678-06      | ICP1/S   | ICP1/S       | 7440-43-9 | Cadmium  | LT 1       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7429-90-5 | Aluminum   | LT 1       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7439-89-6 | Iron   | 29300      | UGG       | VB         |            |                |
|           |          |                  |           |             |               |          |              | 7439-95-4 | Magnesium  | 44300      | UGG       | VB         |            |                |
|           |          |                  |           |             |               |          |              | 7439-96-5 | Manganese  | 16700      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-02-0 | Nickel   | 1880       | UGG       | VB         |            |                |
|           |          |                  |           |             |               |          |              | 7440-09-7 | Potassium  | 23.3       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-22-4 | Silver   | LT 1000    | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-23-5 | Sodium   | LT 2       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-39-3 | Barium   | LT 1000    | UGG       | V          |            |                |
| SB-09-04  | B090412X | 12.0             | 18-NOV-96 | RL          | 52678-06      | DRO / S  | SHW2/S       | 7440-47-3 | Chromium   | 401        | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-48-4 | Cobalt   | 31.5       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-50-8 | Copper   | 26.2       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-62-2 | Vanadium   | 49.4       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-66-6 | Zinc   | 162        | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 7440-70-2 | Calcium  | 61.1       | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 100-01-6  | 4-Nitroaniline                                     | 42900      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 100-02-7  | 4-Nitrophenol                                      | LT .8      | UGG       | V          |            |                |
|           |          |                  |           |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol                                 | LT .33     | UGG       | V          |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-04 | B090412X         | 12.0  | 18-NOV-96   | RL      | 52678-06      | SNV2/S       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7 | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8 | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2 | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0 | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1 | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7 | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | M-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID                 | Field Sample No. | Depth  | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |        |
|-----------|-------------------------|------------------|--------|-------------|---------------|----------|--------------|----------|--|------------|----------------------|------------|----------------|--------|
| BORE      | SB-09-04                | B090412X         | 12.0   | 18-NOV-96   | RL            | 52678-06 | SMV2/S       | 85-01-8  | Phenanthrene                                       | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 87-86-5  | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 88-74-4  | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 88-75-5  | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 91-57-6  | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 91-58-7  | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 95-50-1  | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 95-57-8  | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 95-95-4  | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |        |
|           |                         |                  |        |             |               |          |              | SB-M9-01 | BM90112X   | 12.0       | 19-NOV-96            | RL         | 52678-03       | DRO /S |
| GRO /S    | Diesel range organics   | LT 4             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
| GSE1/S    | Lead                    | LT .5            | UGG BV |             |               |          |              |          |  |            |                      |            |                |        |
| GTL1/S    | Gasoline range organics | LT 1             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
| HGC1/S    | Selenium                | LT 2             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
| ICM1/S    | Thallium                | LT 2             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Mercury                 | LT .2            | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Antimony                | LT .2            | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Arsenic                 | 1.54             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Beryllium               | .437             | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Cadmium                 | LT .2            | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Aluminum                | 35700            | UGG VB |             |               |          |              |          |  |            |                      |            |                |        |
|           | Iron                    | 46500            | UGG VB |             |               |          |              |          |  |            |                      |            |                |        |
|           | Magnesium               | 20400            | UGG V  |             |               |          |              |          |  |            |                      |            |                |        |
|           | Manganese               | 961              | UGG VB |             |               |          |              |          |  |            |                      |            |                |        |

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FW)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-M9-01 | BM90112X         | 12.0  | 19-NOV-96   | RL 52678-03   | ICP1/S           | 7440-02-0 | Nickel   | 33.7       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-09-7 | Potassium  | 3190       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-22-4 | Silver   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-23-5 | Sodium   | 4520       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-39-3 | Barium   | 95         | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-47-3 | Chromium   | 49.2       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-48-4 | Cobalt   | 20.8       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-50-8 | Copper   | 63         | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-62-2 | Vanadium   | 148        | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-66-6 | Zinc   | 68.9       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 7440-70-2 | Calcium  | 38200      | UGG V                |            |                |
|           |          |                  |       |             |               | SMV2/S           | 100-01-6  | 4-Nitroaniline   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 100-02-7  | 4-Nitrophenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 105-67-9  | 2,4-Dimethylphenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 106-46-7  | 1,4-Dichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 106-47-8  | 4-Chloroaniline  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 108-60-1  | Bis(2-chloroisopropyl) ether                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 108-95-2  | Phenol / Carbolic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 111-44-4  | Bis(2-chloroethyl) ether                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 111-91-1  | Bis(2-chloroethoxy) methane                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 117-81-7  | Bis(2-ethylhexyl) phthalate                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 117-84-0  | Di-n-octyl phthalate                                       | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 118-74-1  | Hexachlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-12-7  | Anthracene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-82-1  | 1,2,4-Trichlorobenzene                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 120-83-2  | 2,4-Dichlorophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 121-14-2  | 2,4-Dinitrotoluene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 129-00-0  | Benzo[def]phenanthrene / Pyrene                            | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 131-11-3  | Dimethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 132-64-9  | Dibenzofuran   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 191-24-2  | Benzo[ghi]perylene   | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                    | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 206-44-0  | Fluoranthene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 207-08-9  | Benzo[k]fluoranthene                                       | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 208-96-8  | Acenaphthylene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 218-01-9  | Chrysene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 50-32-8   | Benzo[a]pyrene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 51-28-5   | 2,4-Dinitrophenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene            | LT .6      | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|----------|---|------------|-----------|------------|----------------|
| BORE      | S8-M9-01 | BM90112X         | 12.0  | 19-NOV-96   | RL  | 52678-03      | SMV2/S       | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG V     |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V     |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 537  | .1         | UGG V     |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 539  | 7          | UGG VB    |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 551  | .1         | UGG VB    |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 606  | .2         | UGG VB    |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 614  | .2         | UGG VB    |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 615  | .6         | UGG VB    |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Any. | Meth/ Matrix | CAS No. | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|----------|--------------|---------|--------------------------------------|------------|----------------------|------------|----------------|
| BORE      | SB-W9-01 | BH90112X         | 12.0  | 19-NOV-96   | RL      | 52678-03 | SMV2/S       |         | Unknown compound 623                 | 9          | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Unknown compound 630                 | .5         | UGG VBD              |            |                |
|           |          |                  |       |             |         |          |              |         | Unknown compound 637                 | 9 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Unknown compound 664                 | 1          | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Diesel range organics                | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Lead                                 | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Gasoline range organics              | 2.45       | UGG BV               |            |                |
|           |          |                  |       |             |         |          |              |         | Selenium                             | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Thallium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Mercury                              | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Antimony                             | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Arsenic                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Beryllium                            | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Aluminum                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Iron                                 | 27100      | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Magnesium                            | 31400      | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Manganese                            | 18400      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Nickel                               | 926        | UGG VB               |            |                |
|           |          |                  |       |             |         |          |              |         | Potassium                            | 20.3       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Silver                               | 3080       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Sodium                               | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Barium                               | 4880       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Chromium                             | 114        | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Cobalt                               | 29.1       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Copper                               | 16.8       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Vanadium                             | 48.6       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Zinc                                 | 122        | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Calcium                              | 51.9       | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | 4-Nitroaniline                       | 894.00     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | 4-Nitrophenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | 2,4-Dimethylphenol                   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | 1,4-Dichlorobenzene                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | 4-Chloroaniline                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | / Phenylac acid / Phe*               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Bis(2-chloroethyl) ether             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Bis(2-chloroethoxy) methane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Bis(2-ethylhexyl) phthalate          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Di-n-octyl phthalate                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |          |              |         | Hexachlorobenzene                    | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL      | 52678-04      | SMW2/S       | 120-12-7 | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene            | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 72-55-9  | 2,2-Bis(p-chlorophenyl)-1,1-dichloroethene                  | .12        | UGG VS               |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL      | 52678-04      | SNV2/S       | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2 | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 539                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 556                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 606                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 615                               | .7         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 623                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 632                               | .3         | UGG VBD              |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 637                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 660                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         |  | .4         | UGG V                |            |                |

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

W001976APP

9890-05



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01 | DRO /W       | 7439-92-1 | Diesel range organics                                       | LT 100     | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | GPB1/W       |           | Lead  | LT 3       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | GRO /W       |           | Gasoline range organics                                     | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | GSE1/W       | 7782-49-2 | Selenium  | LT 5       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | GTL1/W       | 7440-28-0 | Thallium  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | HGC1/W       | 7439-97-6 | Mercury   | LT .2      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | ICM1/W       | 7440-36-0 | Antimony  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-38-2 | Arsenic   | LT 5       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-41-7 | Beryllium   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-43-9 | Cadmium   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | ICP2/W       | 7429-90-5 | Aluminum  | LT 200     | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7439-89-6 | Iron  | LT 100     | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7439-95-4 | Magnesium   | 21800      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7439-96-5 | Manganese   | LT 15      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-02-0 | Nickel  | LT 40      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-09-7 | Potassium   | LT 5000    | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-22-4 | Silver  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-23-5 | Sodium  | 62100      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-39-3 | Barium  | LT 200     | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-47-3 | Chromium  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-48-4 | Cobalt  | LT 50      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-50-8 | Copper  | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-66-6 | Zinc  | LT 20      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 7440-70-2 | Calcium   | 80100      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          | SMV1/W       | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 117-84-0  | Di-n-octyl phthalate  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 120-12-7  | Anthracene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |         |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  | ---        | ---            |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FW)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MU-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01      | SHV1/W       | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene                         | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup> | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                                    | LT 10      | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01      | SMV1/W       | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 107-06-2   | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-10-1   | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-88-3   | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-90-7   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 124-48-1   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4   | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 540-59-0   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-23-5    | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 591-78-6   | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-64-1    | Acetone   | 5.4        | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-66-3    | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-43-2    | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-55-6    | 1,1,1-Trichloroethane                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-83-9    | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-87-3    | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-00-3    | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-01-4    | Vinyl chloride / Chloroethene                               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-09-2    | Methylene chloride / Dichloromethane                        | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-15-0    | Carbon disulfide  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-25-2    | Bromoform   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-27-4    | Bromodichloromethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-34-3    | 1,1-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-35-4    | 1,1-Dichloroethylenes / 1,1-Dichloroethene                  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-87-5    | 1,2-Dichloropropane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-93-3    | Methyl ethyl ketone / 2-Butanone                            | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 79-00-5    | 1,1,2-Trichloroethane                                       | LT 1       | UGL                  |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix   | CAS No. | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--|---------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL            | 52856-01 | VMS1/W   | 79-01-6 | Trichloroethylene / Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  | 79-34-5 | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Xylenes, total combined                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | trans-1,3-Dichloropropene                                     | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Diesel range organics   | 250        | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Lead  | LT 3       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Gasoline range organics                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Selenium  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Thallium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |  |         | Mercury   | LT .2      | UGL                  |            |                |
| MW        | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL            | 52856-02 | DRO /W<br>GPB1/W<br>GRO /W<br>GSE1/W<br>GTL1/W<br>HGC1/W<br>ICM1/W<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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|         |   |            |                      |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL      | 52856-02      | SMV1/W       | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7 | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|---------|---|------------|----------------------|------------|----------------|
| MELL      | MJ-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL            | 52856-02 | SNV1/W       | 88-75-5 | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6 | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7 | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8 | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4 | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2 | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 550  | 30         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 552  | 10         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 616  | 20         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Styrene / Ethylbenzene / Styrol /                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Styrolene / Cinnamene *                                     |            |                      |            |                |
|           |          |                  |       |             |               |          |              |         | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl isobutyl ketone /                                    | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Isopropylacetone / 4-Methyl-2-pen*                          |            |                      |            |                |
|           |          |                  |       |             |               |          |              |         | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Dibromochloromethane /                                      | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chlorodibromomethane  |            |                      |            |                |
|           |          |                  |       |             |               |          |              |         | Tetrachloroethylene /                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Tetrachloroethene / Perchloroethylen*                       |            |                      |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Carbon tetrachloride  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Acetone   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,1,1-Trichloroethane                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Vinyl chloride / Chloroethene                               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methylene chloride / Dichloromethane                        | LT 1       | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No.   | Depth     | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|--------------------|-----------|-------------|---------------|----------|--------------|-----------|--|------------|-----------|------------|------------|----------------|
| WELL      | MW-03-02 | M030222X           | 22.0      | 04-DEC-96   | RL            | 52856-02 | VMS1/W       | 75-15-0   | Carbon disulfide   | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 75-25-2   | Bromoform  | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 75-27-4   | Bromodichloromethane   | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 75-34-3   | 1,1-Dichloroethane   | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 75-35-4   | 1,1-Dichloroethylene / 1,1-Dichloroethene                    | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 78-87-5   | 1,2-Dichloropropane  | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 78-93-3   | Methyl ethyl ketone / 2-Butanone                             | LT 15      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 79-00-5   | 1,1,2-Trichloroethane  | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 79-01-6   | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 79-34-5   | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT 1       | UGL       |            |            |                |
| MW-08-01  | M080120X | 20.0               | 03-DEC-96 | RL          | 52856-03      | DRO /W   | GPB1/W       | 7439-92-1 | Unknown compound 249   | 1          | UGL       |            |            |                |
|           |          |                    |           |             |               |          | GRO /W       | 7782-49-2 | Xylenes, total combined                                      | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          | GSE1/W       | 7440-28-0 | trans-1,3-Dichloropropene                                    | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          | GTL1/W       | 7439-97-6 | Diesel range organics  | LT 100     | UGL       |            |            |                |
|           |          |                    |           |             |               |          | HGC1/W       | 7440-36-0 | Lead   | LT 3       | UGL       |            |            |                |
|           |          |                    |           |             |               |          | ICM1/W       | 7440-38-2 | Gasoline range organics                                      | LT 10      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-41-7 | Selenium   | LT 5       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-43-9 | Thallium   | LT 10      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7429-90-5 | Mercury  | LT .2      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7439-89-6 | Antimony   | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7439-95-4 | Arsenic  | LT 5       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7439-96-5 | Beryllium  | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-02-0 | Cadmium  | LT 1       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-09-7 | Aluminum   | 2750       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-22-4 | Iron   | 1600       | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-23-5 | Magnesium  | 20300      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-39-3 | Manganese  | 144        | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-47-3 | Nickel   | LT 40      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-48-4 | Potassium  | LT 5000    | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-50-8 | Silver   | LT 10      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-62-2 | Sodium   | 63400      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-66-6 | Barium   | LT 200     | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 7440-70-2 | Chromium   | LT 10      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 100-01-6  | Cobalt   | LT 50      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 100-02-7  | Copper   | LT 25      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              | 105-67-9  | Vanadium   | LT 50      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              |           | Zinc   | LT 20      | UGL       |            |            |                |
|           |          |                    |           |             |               |          |              |           | Calcium  | 76800      | UGL       |            |            |                |
|           |          | 4-Nitroaniline     | LT 25     | UGL         |               |          |              |           |  |            |           |            |            |                |
|           |          | 4-Nitrophenol      | LT 25     | UGL         |               |          |              |           |  |            |           |            |            |                |
|           |          | 2,4-Dimethylphenol | LT 10     | UGL         |               |          |              |           |  |            |           |            |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGM  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MM-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL      | 52856-03      | SNV1/M       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7 | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8 | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2 | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0 | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7 | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS NO.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL            | 52856-03 | SMV1/W       | 85-01-8    | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7    | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6    | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7    | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8    | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3    | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5    | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2    | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4    | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5    | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3    | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6    | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7    | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1    | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7    | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2    | 3-Nitroaniline  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 100-41-4   | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 100-42-5   | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | Methyl isobutyl ketone /                                    | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 10061-01-5 | Isopropylacetone / 4-Methyl-2-pen*                          | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |            | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 107-06-2   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-10-1   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-88-3   | Tetrachloroethylene / Perchloroethylen*                     | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-90-7   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 124-48-1   | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 127-18-4   | Methyl n-butyl ketone / 2-Hexanone                          | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 540-59-0   | Acetone   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 56-23-5    | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 591-78-6   |   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 67-64-1    |   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 67-66-3    |   | LT 1       | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth     | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-----------|-------------|---------------|----------|--------------|-----------|--|------------|-----------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0      | 03-DEC-96   | RL            | 52856-03 | VMS1/W       | 71-43-2   | Benzene  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 71-55-6   | 1,1,1-Trichloroethane  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 74-83-9   | Bromomethane   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 74-87-3   | Chloromethane  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-00-3   | Chloroethane   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-01-4   | Vinyl chloride / Chloroethene                                | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-09-2   | Methylene chloride / Dichloromethane                         | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-15-0   | Carbon disulfide   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-25-2   | Bromoform  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-27-4   | Bromodichloromethane   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-34-3   | 1,1-Dichloroethane   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 75-35-4   | 1,1-Dichloroethylene / 1,1-Dichloroethene                    | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 78-87-5   | 1,2-Dichloropropane  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 78-93-3   | Methyl ethyl ketone / 2-Butanone                             | LT 15      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 79-00-5   | 1,1,2-Trichloroethane  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 79-01-6   | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 79-34-5   | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              |           | Unknown compound 052   | 2          | UGL             |            |                |
|           |          |                  |           |             |               |          |              |           | Xylenes, total combined                                      | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              |           | trans-1,3-Dichloropropene                                    | LT 1       | UGL             |            |                |
| MW-09-01  | M090113X | 13.0             | 04-DEC-96 | RL          | 52856-04      | DRO /W   | GPB1/W       |           | Diesel range organics  | LT 100     | UGL             |            |                |
|           |          |                  |           |             |               |          |              |           | Lead   | LT 3       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7439-92-1 | Gasoline range organics                                      | LT 10      | UGL             |            |                |
|           |          |                  |           |             |               |          |              |           | Selenium   | LT 5       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7782-49-2 | Thallium   | LT 10      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-28-0 | Mercury  | LT .2      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7439-97-6 | Antimony   | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-36-0 | Arsenic  | LT 5       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-41-7 | Beryllium  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-43-9 | Cadmium  | LT 1       | UGL             |            |                |
|           |          |                  |           |             |               |          | ICP2/W       | 7429-90-5 | Aluminum   | LT 200     | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7439-89-6 | Iron   | LT 100     | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7439-95-4 | Magnesium  | 34000      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7439-96-5 | Manganese  | LT 15      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-02-0 | Nickel   | LT 40      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-09-7 | Potassium  | LT 5000    | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-22-4 | Silver   | LT 10      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-23-5 | Sodium   | 56200      | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-39-3 | Barium   | LT 200     | UGL             |            |                |
|           |          |                  |           |             |               |          |              | 7440-47-3 | Chromium   | LT 10      | UGL             |            |                |
|           | Cobalt   | LT 50            | UGL       |             |               |          |              |           |  |            |                 |            |                |

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL 52856-04   |     | ICP2/W       | 7440-50-8 | Copper  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-66-6 | Zinc  | LT 20      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-70-2 | Calcium   | 89500      | UGL                  |            |                |
|           |          |                  |       |             |               |     | SMV1/W       | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carbolic acid / Phenic acid / Phenylc acid / Phe*  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 131-11-3  | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9  | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2  | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0  | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9  | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8  | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9  | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8   | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5   | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1  | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3   | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2  | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|--|------------|----------------------|------------|----------------|
| WELL      | MJ-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL      | 52856-04      | SNV1/W       | 621-64-7 | N-Nitrosodi-n-propylamine                          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate                               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                           | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol                                  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol                              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline                                     | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor                          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1  | 1,2-Dichlorobenzene                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8  | 2-Chlorophenol                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4  | 2,4,5-Trichlorophenol                              | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2  | 3-Nitroaniline                                     | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Bromophenyl phenyl ether                         | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Chlorophenyl phenyl ether                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Ethylbenzene                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Styrene / Ethenylbenzene / Styrol /                | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Styrolene / Cinnamene *                            |            |                      |            |                |
|           |          |                  |       |             |         |               |              |          | cis-1,3-Dichloropropylene / cis-1,3-               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Dichloropropene                                    |            |                      |            |                |
|           |          |                  |       |             |         |               |              |          | 1,2-Dichloroethane                                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Methyl isobutyl ketone /                           | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Isopropylacetone / 4-Methyl-2-pen*                 |            |                      |            |                |
|           |          |                  |       |             |         |               |              |          | Toluene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Chlorobenzene / Monochlorobenzene                  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Dibromochloromethane /                             | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Chlorodibromomethane                               |            |                      |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4 |  |            |                      |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL      | 52856-04      | VMS1/W       | 127-18-4 | Tetrachloroethylene /   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 540-59-0 | Tetrachloroethene / Perchloroethylen*                         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-23-5  | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 591-78-6 | Carbon tetrachloride  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-64-1  | Methyl n-butyl ketone / 2-Hexanone                            | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-66-3  | Acetone   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-43-2  | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-55-6  | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-83-9  | 1,1,1-Trichloroethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-87-3  | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-00-3  | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-01-4  | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-09-2  | Vinyl chloride / Chloroethene                                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-15-0  | Methylene chloride / Dichloromethane                          | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-25-2  | Carbon disulfide  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-27-4  | Bromoform   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-34-3  | Bromodichloromethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-35-4  | 1,1-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | 1,1-Dichloroethylene / 1,1-Dichloroethene                     | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-87-5  | 1,2-Dichloropropane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-93-3  | Methyl ethyl ketone / 2-Butanone                              | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 79-00-5  | 1,1,2-Trichloroethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 79-01-6  | Trichloroethylene / Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 79-34-5  | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Xylenes, total combined                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | trans-1,3-Dichloropropene                                     | LT 1       | UGL                  |            |                |

\*\* End of Report - 493 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary



**SOURCE WATER DATA**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------|----------|--------------|-----------|--------------------------------------|------------|----------------------|------------|----------------|
| WELL      | WN#2    | WN#2             | 0.0   | 14-NOV-96   | RL      | 52614-01 | DRO /W       | 7439-92-1 | Diesel range organics                | LT 100     | UGL V                |            |                |
|           |         |                  |       |             |         |          | GPB1/W       |           | Lead                                 | LT 3       | UGL V                |            |                |
|           |         |                  |       |             |         |          | GRO /W       |           | Gasoline range organics              | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          | GSE1/W       | 7782-49-2 | Selenium                             | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |         |          | GTL1/W       | 7440-28-0 | Thallium                             | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          | HGC1/W       | 7439-97-6 | Mercury                              | LT .2      | UGL V                |            |                |
|           |         |                  |       |             |         |          | ICM1/W       | 7440-36-0 | Antimony                             | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-38-2 | Arsenic                              | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-41-7 | Beryllium                            | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-43-9 | Cadmium                              | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7429-90-5 | Aluminum                             | LT 200     | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7439-89-6 | Iron                                 | LT 100     | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7439-95-4 | Magnesium                            | 22100      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7439-96-5 | Manganese                            | LT 15      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-02-0 | Nickel                               | LT 40      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-09-7 | Potassium                            | LT 5000    | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-22-4 | Silver                               | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-23-5 | Sodium                               | 63000      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-39-3 | Barium                               | LT 200     | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-47-3 | Chromium                             | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-48-4 | Cobalt                               | LT 50      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-50-8 | Copper                               | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-62-2 | Vanadium                             | LT 50      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-66-6 | Zinc                                 | LT 20      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 7440-70-2 | Calcium                              | 79800      | UGL V                |            |                |
|           |         |                  |       |             |         |          | SMV1/W       |           | 4-Nitroaniline                       | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 100-01-6  | 4-Nitrophenol                        | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 100-02-7  | 2,4-Dimethylphenol                   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 105-67-9  | p-Cresol / 4-Cresol / 4-Methylphenol | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 106-44-5  | 1,4-Dichlorobenzene                  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 106-46-7  | 4-Chloroaniline                      | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 106-47-8  | Bis(2-chloroisopropyl) ether         | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 108-60-1  | Phenol / Carboic acid / Phenic acid  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 108-95-2  | / Phenyllic acid / Phe*              | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 111-44-4  | Bis(2-chloroethyl) ether             | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 111-91-1  | Bis(2-chloroethoxy) methane          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate          | LT 35      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 117-84-0  | Di-n-octyl phthalate                 | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 118-74-1  | Hexachlorobenzene                    | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 120-12-7  | Anthracene                           | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 120-82-1  | 1,2,4-Trichlorobenzene               | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 120-83-2  | 2,4-Dichlorophenol                   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 121-14-2  | 2,4-Dinitrotoluene                   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene      | LT 10      | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| MELL      | WM#2    | WM#2             | 0.0   | 14-NOV-96   | RL      | 52614-01      | SMV1/W       | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 132-04-9 | Dibenzofuran  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-c,d]pyrene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene                         | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup> | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                                    | LT 10      | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------|---------------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | WW#2    | WW#2             | 0.0   | 14-NOV-96   | RL      | 52614-01      | SMV1/W       | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               | VMS1/W       | 100-41-4   | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 100-42-5   | Ethylbenzene  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              |            | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 107-06-2   | 1,2-Dichloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 108-10-1   | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 108-88-3   | Toluene   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 108-90-7   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 124-48-1   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 127-18-4   | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 540-59-0   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 56-23-5    | Carbon tetrachloride  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 591-78-6   | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 67-64-1    | Acetone   | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 67-66-3    | Chloroform  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 71-43-2    | Benzene   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 71-55-6    | 1,1,1-Trichloroethane                                       | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 74-83-9    | Bromomethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 74-87-3    | Chloromethane   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-00-3    | Chloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-01-4    | Vinyl chloride / Chloroethene                               | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-09-2    | Methylene chloride / Dichloromethane                        | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-15-0    | Carbon disulfide  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-25-2    | Bromoform   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-27-4    | Bromodichloromethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-34-3    | 1,1-Dichloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 75-35-4    | 1,1-Dichloroethylene / 1,1-Dichloroethene                   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 78-87-5    | 1,2-Dichloropropane   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 78-93-3    | Methyl ethyl ketone / 2-Butanone                            | LT 15      | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 79-00-5    | 1,1,2-Trichloroethane                                       | LT 1       | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

10:30:02

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------|---------------|--------------|---------|--|------------|----------------------|------------|----------------|
| WELL      | W#2     | W#2              | 0.0   | 14-NOV-96   | RL      | 52614-01      | VMS1/W       | 79-01-6 | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              | 79-34-5 | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              |         | Xylenes, total combined                                      | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |         |               |              |         | trans-1,3-Dichloropropene                                    | LT 1       | UGL V                |            |                |

\*\* End of Report - 122 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**IRDMIS FLAGGING CODES AND DATA QUALIFIERS**

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**ABB Environmental Services, Inc.**

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

| IRDMIS Record |           | IRDMIS Data Base |            |
|---------------|-----------|------------------|------------|
| Record Type   | Column(s) | DB Table(s)      | DB Column  |
| •             | 132       | chem/cqc         | flag_codes |
|               | 133       |                  |            |
|               | 134       |                  |            |
|               | 135       |                  |            |
|               | 136       |                  |            |
|               | 137       |                  |            |
|               | 138       |                  |            |
|               | 139       |                  |            |
|               |           | flag_qual_desc   | f_q_code   |

• Any valid chemical or radiological record type

#### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Flagging Codes per record  
 flag\_qual\_desc: 1 Flagging Code per record

#### ELEMENT DESCRIPTION:

Code assigned by the Laboratory to indicate other-than-usual analytical conditions or results.

#### ACCEPTABLE CRITERIA:

NOTE: Flagging Codes marked with \* were changed effective 1 February 1993!  
 Flagging Codes marked with \*\* were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- \* A Analyte found in trip blank as well as in field samples . The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- B Analyte found in the method blank or QC blank as well as the sample. This Code is to be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
  - (1) If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
  - (2) If the analyte is detected in the QC blank, only the QC samples are to be flagged.
- C Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

## ACCEPTABLE CRITERIA: (CONT.)

- E No longer in use.
- F Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- \* G Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- \*\* H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- \* \*\* J Value is estimated because of one of the following conditions:
- Interferences in the sample (use Flagging Codes J and I)  
or  
The value is below the method detection level but above the  
instrumental detection level (use Flagging Codes J and P)  
or  
The value is above the upper reporting level of the method (use  
Flagging Codes J and X).
- This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.
- \* K Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- \* \*\* L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* O No longer in use.
- \* P Value is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- \* Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
- R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
- S Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
- T Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
- V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
- W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- \*\* X Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- \* Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* Z Non-target compound analyzed for and detected. This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- \* 1 Result less than the CRL but greater than the Criteria of Detection (COD). Can only be used for methods which were performance demonstrated under the 1990 QA Program.
- \* 2 Ending calibration not within acceptable limits. This Code is to be used for an analyte for which the ending calibration is still unacceptable after multiple attempts.
- \* 3 Internal standard(s) not within acceptable limits.
- \* \*\* 4 Analyte quantitated on the secondary column, when this is not the normal practice.
- \* \*\* 7 No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* 8 Analyte recovery outside of certified range but within acceptable limits. This Flagging Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- \*\* 9 Non-demonstrated/validated method performed for USAEC. This Code is to be used to identify Method 00 or NTAM data which was produced under contract to USAEC.

## ACCEPTABLE ENTRIES:

- A Analyte found in trip blank as well as in field samples.
- B Analyte found in the method blank or QC blank as well as the sample.
- C Analysis was confirmed.
- D Duplicate analysis.
- F Sample filtered prior to analysis.
- G Analyte found in rinse blank as well as field sample.
- I Interferences in sample make quantitation and/or identification to be suspect.
- J Value is estimated.
- K Reported results are affected by interferences or high background.
- N Tentatively identified compound (match greater than 70%).
- P Results less than reporting level but greater than instrumental detection limit.
- Q Sample interference obscured peak of interest.
- R Non-target compound analyzed for but not detected (GC/MS methods).
- S Non-target compound analyzed for and detected (GC/MS methods).
- T Non-target compound analyzed for but not detected (non-GC/MS methods).
- U Analysis is unconfirmed.
- V Sample subjected to unusual storage/preservation conditions.



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**ACCEPTABLE ENTRIES: (CONT.)**

- W Single analyte required from a multi-analyte method.
- X Analyte concentration is above the upper reporting level.
- Y Tentatively identified compound (match less than 70%).
- Z Non-target compound analyzed for and detected (non-GC/MS methods).
- 1 Result less than CRL but greater than COD.
- 2 Ending calibration not within acceptable limits.
- 3 Internal standard(s) not within acceptable limits.
- 4 Analyte quantitated on the secondary column.
- 9 Non-demonstrated/validated method performed for USAEC.

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

| IRDMIS Record |           | IRDMIS Data Base |             |
|---------------|-----------|------------------|-------------|
| Record Type   | Column(s) | DB Table(s)      | DB Column   |
| •             | 140       | chem/cqc         | data_qualis |
|               | 141       |                  |             |
|               | 142       |                  |             |
|               | 143       |                  |             |
|               | 144       |                  |             |
|               | 145       |                  |             |
|               | 146       |                  |             |
|               | 147       |                  |             |
|               |           | flag_qualis_desc | f_q_code    |

• Any valid chemical or radiological record type

#### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Data Qualifiers per record  
 flag\_qualis\_desc: 1 Data Qualifier per record

#### ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

#### ACCEPTABLE CRITERIA:

- ? Control chart either not received or not yet approved by USAEC. This Qualifier is automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- I The low-spike recovery is high. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- J The low-spike recovery is low. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- K Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- L Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- M The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.

**ACCEPTABLE CRITERIA: (CONT.)**

- N The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- O Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- P High spike recoveries excessively different. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Q Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To be followed by number of surrogates failing criteria (1 - 9). To be used only for field samples. **(Formerly Flagging Code Q)**
- R Data is rejected and is not usable.

**ACCEPTABLE ENTRIES:**

- ? Control chart not yet approved by USAEC.
- 1-9 Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q)
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- K Missed holding time for extraction and preparation.
- L Missed holding time for sample analysis.
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- O Low spike recoveries excessively different.
- P High spike recoveries excessively different.
- Q Surrogate recovery outside of acceptable CLP limits (field samples only).
- R Data is rejected.

**QC SAMPLE RESULTS FROM IRDMIS**

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**ABB Environmental Services, Inc.**

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|------------|
| ABB-ES     | -----              | DRO                      | DRO          | DRAB | 25-NOV-96    | 09-DEC-96 <      | 4 UGG      |
| ABB-ES     | -----              | GPB1                     | PB           | PSDQ | 16-DEC-96    | 17-DEC-96        | 1.12 UGG   |
| ABB-ES     | -----              | GRO                      | GRO          | GRAB | 22-NOV-96    | 22-NOV-96 <      | .5 UGG     |
| ABB-ES     | -----              | GSE1                     | SE           | SSDQ | 16-DEC-96    | 17-DEC-96 <      | 1 UGG      |
| ABB-ES     | -----              | GTL1                     | TL           | TSDQ | 16-DEC-96    | 17-DEC-96 <      | 2 UGG      |
| ABB-ES     | -----              | HGC1                     | HG           | HSDH | 11-DEC-96    | 11-DEC-96 <      | .2 UGG     |
| ABB-ES     | -----              | ICM1                     | AS           | WSCK | 13-DEC-96    | 19-DEC-96 <      | 1 UGG      |
| ABB-ES     | -----              |                          | BE           | WSCK | 13-DEC-96    | 19-DEC-96 <      | .2 UGG     |
| ABB-ES     | -----              |                          | CD           | WSCK | 13-DEC-96    | 19-DEC-96 <      | .2 UGG     |
| ABB-ES     | -----              |                          | SB           | WSCK | 13-DEC-96    | 19-DEC-96 <      | .2 UGG     |
| ABB-ES     | -----              | ICP1                     | AG           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 2 UGG      |
| ABB-ES     | -----              |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | 628 UGG    |
| ABB-ES     | -----              |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | 613 UGG    |
| ABB-ES     | -----              |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | 480 UGG    |
| ABB-ES     | -----              |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | 433 UGG    |
| ABB-ES     | -----              |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 40 UGG     |
| ABB-ES     | -----              |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 40 UGG     |
| ABB-ES     | -----              |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 40 UGG     |
| ABB-ES     | -----              |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 40 UGG     |
| ABB-ES     | -----              |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 1000 UGG   |
| ABB-ES     | -----              |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 1000 UGG   |
| ABB-ES     | -----              |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 1000 UGG   |
| ABB-ES     | -----              |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 1000 UGG   |
| ABB-ES     | -----              |                          | CO           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 10 UGG     |
| ABB-ES     | -----              |                          | CR           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 3 UGG      |
| ABB-ES     | -----              |                          | CU           | ISCV | 23-DEC-96    | 26-DEC-96 <      | 5 UGG      |
| ABB-ES     | -----              |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 1060 UGG   |
| ABB-ES     | -----              |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 1050 UGG   |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|------|
| ABB-ES     |                    | ICP1                     | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 1030  | UGG  |
| ABB-ES     |                    |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 758   | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 34.5  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 25.7  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 24    | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 22.2  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | W1           | ISCV | 23-DEC-96    | 26-DEC-96        | 8     | UGG  |
| ABB-ES     |                    |                          | V            | ISCV | 23-DEC-96    | 26-DEC-96        | 10    | UGG  |
| ABB-ES     |                    |                          | ZN           | ISCV | 23-DEC-96    | 26-DEC-96        | 4     | UGG  |
| ABB-ES     |                    | SHV2                     | 12DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 12DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 13DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 13DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 245TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |
| ABB-ES     |                    |                          | 245TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |
| ABB-ES     |                    |                          | 246TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 246TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DCLP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DCLP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DMPN       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DMPN       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DWP        | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit    |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|---------|
| ABB-ES     |                    | SMV2                     | 24DNP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 26DNT        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 26DNT        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2CNAP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2CNAP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2MNAP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2MNAP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2MP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2MP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 2NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 2NP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 2NP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 33DCBD       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 33DCBD       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 3NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 3NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 46DN2C       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 46DN2C       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 1 UGG   |
| ABB-ES     |                    |                          | 4BRPPE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4BRPPE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4CANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4CANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4CLPPE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4CLPPE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4MP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4MP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | 4NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | 4NANIL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .8 UGG  |
| ABB-ES     |                    |                          | ANAPYL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ANAPYL       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ANTRC        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ANTRC        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2CEXM       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2CEXM       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|------|
| ABB-ES     |                    | SW2                      | B2CIPE       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | B2CIPE       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | B2CLEE       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | B2CLEE       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | B2EHP        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | B2EHP        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BAANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BAANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BAPYR        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BAPYR        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BBFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BBFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BBZP         | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BBZP         | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | BGNIPY       | BSBS | 25-NOV-96    | 16-DEC-96        | .6    | UGG  |
| ABB-ES     |                    |                          | BGNIPY       | BSBS | 25-NOV-96    | 16-DEC-96        | .6    | UGG  |
| ABB-ES     |                    |                          | BKFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | .5    | UGG  |
| ABB-ES     |                    |                          | BKFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | .5    | UGG  |
| ABB-ES     |                    |                          | CARBAZ       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CARBAZ       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CHRY         | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CHRY         | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6BZ        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6BZ        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6CP        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6CP        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6ET        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | CL6ET        | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | DBAHA        | BSBS | 25-NOV-96    | 16-DEC-96        | .6    | UGG  |
| ABB-ES     |                    |                          | DBAHA        | BSBS | 25-NOV-96    | 16-DEC-96        | .6    | UGG  |
| ABB-ES     |                    |                          | DBZFLUR      | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | DBZFLUR      | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | DEP          | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | DEP          | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | DWP          | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |



Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit    |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|---------|
| ABB-ES     |                    | SMV2                     | DMP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNOP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | DNOP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | FANT         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FANT         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FLRENE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FLRENE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | HCBO         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | HCBO         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ICDPYR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | ICDPYR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | ISOPHR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ISOPHR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NAP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NB           | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NB           | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NNDPA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NNDPA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | PHANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | PHANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | UNK539       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | UNK539       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 2 UGG   |
| ABB-ES     |                    |                          | UNK606       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .1 UGG  |
| ABB-ES     |                    |                          | UNK606       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .1 UGG  |
| ABB-ES     |                    |                          | UNK614       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .09 UGG |
| ABB-ES     |                    |                          | UNK614       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .09 UGG |
| ABB-ES     |                    |                          | UNK615       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK615       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 7 UGG   |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 5 UGG   |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .3 UGG  |

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor Method Description |      | IRDMIS<br>Method<br>Code | Test<br>Name | Lot       | Prep<br>Date | Analysis<br>Date | Value | Unit |
|-------------------------------|------|--------------------------|--------------|-----------|--------------|------------------|-------|------|
| ABB-ES                        | SHV2 | UNK630                   | BSBS         | 25-NOV-96 | 16-DEC-96    | .1               | UGG   |      |
| ABB-ES                        |      | UNK630                   | BSBS         | 25-NOV-96 | 16-DEC-96    | .07              | UGG   |      |
| ABB-ES                        |      | UNK632                   | BSBS         | 25-NOV-96 | 16-DEC-96    | .07              | UGG   |      |
| ABB-ES                        |      | UNK637                   | BSBS         | 25-NOV-96 | 16-DEC-96    | .9               | UGG   |      |
| ABB-ES                        |      | UNK637                   | BSBS         | 25-NOV-96 | 16-DEC-96    | .7               | UGG   |      |
| ABB-ES                        | DRO  | DRO                      | DRAC         | 25-NOV-96 | 26-NOV-96    | 100              | UGL   |      |
| ABB-ES                        |      | DRO                      | DRAD         | 09-DEC-96 | 10-DEC-96    | 100              | UGL   |      |
| ABB-ES                        | GP81 | P8                       | PAOF         | 10-DEC-96 | 11-DEC-96    | 3                | UGL   |      |
| ABB-ES                        |      | P8                       | PADG         | 11-DEC-96 | 12-DEC-96    | 3                | UGL   |      |
| ABB-ES                        | GRO  | GRO                      | GRAC         | 21-NOV-96 | 21-NOV-96    | 10               | UGL   |      |
| ABB-ES                        |      | GRO                      | GRAD         | 06-DEC-96 | 06-DEC-96    | 10               | UGL   |      |
| ABB-ES                        | GSE1 | SE                       | SADF         | 10-DEC-96 | 11-DEC-96    | 5                | UGL   |      |
| ABB-ES                        |      | SE                       | SADG         | 11-DEC-96 | 12-DEC-96    | 5                | UGL   |      |
| ABB-ES                        | GTL1 | TL                       | TADF         | 10-DEC-96 | 11-DEC-96    | 10               | UGL   |      |
| ABB-ES                        |      | TL                       | TADG         | 11-DEC-96 | 12-DEC-96    | 10               | UGL   |      |
| ABB-ES                        | HGC1 | HG                       | HACQ         | 09-DEC-96 | 10-DEC-96    | .2               | UGL   |      |
| ABB-ES                        |      | HG                       | HACR         | 09-DEC-96 | 10-DEC-96    | .2               | UGL   |      |
| ABB-ES                        | ICH1 | AS                       | WABL         | 10-DEC-96 | 17-DEC-96    | 5                | UGL   |      |
| ABB-ES                        |      | AS                       | WASH         | 11-DEC-96 | 17-DEC-96    | 5                | UGL   |      |
| ABB-ES                        |      | BE                       | WABL         | 10-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        |      | BE                       | WASH         | 11-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        |      | CD                       | WABL         | 10-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        |      | CD                       | WASH         | 11-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        |      | SB                       | WABL         | 10-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        |      | SB                       | WASH         | 11-DEC-96 | 17-DEC-96    | 1                | UGL   |      |
| ABB-ES                        | ICP2 | AG                       | IADK         | 10-DEC-96 | 12-DEC-96    | 10               | UGL   |      |
| ABB-ES                        |      | AG                       | IADL         | 11-DEC-96 | 12-DEC-96    | 10               | UGL   |      |

Table: Appendix K

## METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit     |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|----------|
| ABB-ES     |                    | ICP2                     | AL           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 200 UGL  |
| ABB-ES     |                    |                          | AL           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 200 UGL  |
| ABB-ES     |                    |                          | BA           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 200 UGL  |
| ABB-ES     |                    |                          | BA           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 200 UGL  |
| ABB-ES     |                    |                          | CA           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | CA           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | CO           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 50 UGL   |
| ABB-ES     |                    |                          | CO           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 50 UGL   |
| ABB-ES     |                    |                          | CR           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | CR           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | CU           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 25 UGL   |
| ABB-ES     |                    |                          | CU           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 25 UGL   |
| ABB-ES     |                    |                          | FE           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 100 UGL  |
| ABB-ES     |                    |                          | FE           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 100 UGL  |
| ABB-ES     |                    |                          | K            | IADK | 10-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | K            | IADL | 11-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | MG           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | MG           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | MN           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 15 UGL   |
| ABB-ES     |                    |                          | MN           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 15 UGL   |
| ABB-ES     |                    |                          | NA           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | NA           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 5000 UGL |
| ABB-ES     |                    |                          | NI           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 40 UGL   |
| ABB-ES     |                    |                          | NI           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 40 UGL   |
| ABB-ES     |                    |                          | V            | IADK | 10-DEC-96    | 12-DEC-96        | <     | 50 UGL   |
| ABB-ES     |                    |                          | V            | IADL | 11-DEC-96    | 12-DEC-96        | <     | 50 UGL   |
| ABB-ES     |                    |                          | ZN           | IADK | 10-DEC-96    | 12-DEC-96        | <     | 20 UGL   |
| ABB-ES     |                    |                          | ZN           | IADL | 11-DEC-96    | 12-DEC-96        | <     | 20 UGL   |
| ABB-ES     |                    | SMV1                     | 12DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | 12DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | 12DCLB       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | 12DCLB       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | 13DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL   |
| ABB-ES     |                    |                          | 13DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL   |

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[illegible]

Table: Appendix K

## METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|--------|
| ABB-ES     |                    | SMV1                     | 2MP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2MP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2MP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2NANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 2NANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 2NANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 2NANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 2NP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2NP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2NP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 2NP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 33DCBD       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 33DCBD       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 33DCBD       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 33DCBD       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 3NANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 3NANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 3NANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 3NANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 46DN2C       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 46DN2C       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 46DN2C       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 46DN2C       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 4BRPPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4BRPPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4BRPPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4BRPPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CLPPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CLPPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CLPPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4CLPPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |

**FT. ALLEN**

| IRDMIS      |  | Contractor |  | Method Description |  | Test           |  | Prep      |  | Analysis |  | Value  |  |
|-------------|--|------------|--|--------------------|--|----------------|--|-----------|--|----------|--|--------|--|
| Method Code |  |            |  |                    |  | Name           |  | Lot       |  | Date     |  | Unit   |  |
| SHV1        |  | ABB-ES     |  | 44P                |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | 44P                |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | 44P                |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | 44P                |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | 44N1L              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 25 UGL |  |
|             |  | ABB-ES     |  | 44N1L              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 25 UGL |  |
|             |  | ABB-ES     |  | 44N1L              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 25 UGL |  |
|             |  | ABB-ES     |  | 44N1L              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 25 UGL |  |
|             |  | ABB-ES     |  | ANAPYL             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANAPYL             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANAPYL             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANTRC              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANTRC              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANTRC              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | ANTRC              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CE0X             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CE0X             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CE0X             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CE0X             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CIPE             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CIPE             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CIPE             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CLEE             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CLEE             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CLEE             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2CLEE             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | B2EHP              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 35 UGL |  |
|             |  | ABB-ES     |  | B2EHP              |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 35 UGL |  |
|             |  | ABB-ES     |  | B2EHP              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 35 UGL |  |
|             |  | ABB-ES     |  | B2EHP              |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 35 UGL |  |
|             |  | ABB-ES     |  | BAANTR             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | BAANTR             |  | BAEA 21-NOV-96 |  | 27-NOV-96 |  | <        |  | 10 UGL |  |
|             |  | ABB-ES     |  | BAANTR             |  | BAEB 09-DEC-96 |  | 18-DEC-96 |  | <        |  | 10 UGL |  |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor |  | Method Description | IRDMIS Method Code | Test Name | Lot       | Prep Date | Analysis Date | Value  | Unit   |
|------------|--|--------------------|--------------------|-----------|-----------|-----------|---------------|--------|--------|
| ABB-ES     |  |                    | SMV1               | BAANTR    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BAPYR     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BAPYR     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BAPYR     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BAPYR     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBFANT    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBFANT    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBFANT    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBFANT    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBZP      | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBZP      | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBZP      | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BBZP      | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BGHIPY    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BGHIPY    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BGHIPY    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BGHIPY    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BKFANT    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BKFANT    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | BKFANT    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    | CARBZ              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CARBZ              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CARBZ              | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CARBZ              | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CHRY               | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CHRY               | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CHRY               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CHRY               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6BZ              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6BZ              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6BZ              | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6BZ              | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6CP              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | CL6CP              | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |

**FT. ALLEN**

| Contractor |  | Method Description | IRDMIS Method Code | Test Name | Lot       | Prep Date | Analysis Date | Value  | Unit   |
|------------|--|--------------------|--------------------|-----------|-----------|-----------|---------------|--------|--------|
| ABB-ES     |  |                    | SNV1               | CL6CP     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | CL6GP     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | CL6ET     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | CL6ET     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | CL6ET     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | CL6ET     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBAHA     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBAHA     | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBAHA     | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBZFUR    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBZFUR    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DBZFUR    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DEP       | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DEP       | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DEP       | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DHP       | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DHP       | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DHP       | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DHP       | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | DHBP      | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    | DHBP               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | DHBP               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | DNOP               | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | DNOP               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | DNOP               | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | FANT               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | FANT               | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | FANT               | BAEB      | 09-DEC-96 | 18-DEC-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | FLRENE             | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |



Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|------------|
| ABB-ES     |                    | SMV1                     | FLRENE       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | FLRENE       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | FLRENE       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | HCBD         | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | HCBD         | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | HCBD         | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | ICDPYR       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | ICDPYR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | ICDPYR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | ISOPHR       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | ISOPHR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | ISOPHR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NAP          | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | NAP          | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NAP          | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NB           | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | NB           | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NB           | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NNDPA        | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | NNDPA        | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | NNDPA        | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | PHANTR       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | PHANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | PHANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    | VMS1                     | 111TCE       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 111TCE       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 111TCE       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|------------|
| ABB-ES     |                    | WMS1                     | 111TCE       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 112TCE       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 112TCE       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 112TCE       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 112TCE       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 11DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCE        | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCLP       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCLP       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCLP       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | 12DCLP       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | ACET         | VAFW | 12-DEC-96    | 12-DEC-96        | 5 UGL      |
| ABB-ES     |                    |                          | ACET         | VAFW | 12-DEC-96    | 12-DEC-96        | 5 UGL      |
| ABB-ES     |                    |                          | ACET         | VAFX | 06-DEC-96    | 14-DEC-96        | 5 UGL      |
| ABB-ES     |                    |                          | ACET         | VAFX | 06-DEC-96    | 14-DEC-96        | 5 UGL      |
| ABB-ES     |                    |                          | BROCLM       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | BROCLM       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | BROCLM       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | BROCLM       | VAFX | 06-DEC-96    | 14-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | C130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |
| ABB-ES     |                    |                          | C130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | 1 UGL      |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit  |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|-------|
| ABB-ES     |                    | VMS1                     | C130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHCL3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | Lot  | Prep Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|-----------|------|-----------|---------------|-------|--------|
| ABB-ES     |                    | VMS1               | CHCL3     | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CHCL3     | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CHCL3     | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CLC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CLC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CLC6H5    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CLC6H5    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CS2       | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CS2       | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CS2       | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | CS2       | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | DBRCLM    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | DBRCLM    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | DBRCLM    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | DBRCLM    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | ETC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | ETC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | ETC6H5    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | ETC6H5    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | MEC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | MEC6H5    | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | MEC6H5    | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | MEK       | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | MEK       | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | MEK       | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | MEK       | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | MTBK      | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFW | 12-DEC-96 | 12-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | MTBK      | VAFX | 06-DEC-96 | 14-DEC-96     | <     | 5 UGL  |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit  |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|-------|
| ABB-ES     |                    | VMS1                     | STYR         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | STYR         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | STYR         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | STYR         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | T130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | T130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | T130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | T130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEA        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEA        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEA        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEA        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TCLEE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TRCLE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TRCLE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TRCLE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TRCLE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TXYLEN       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TXYLEN       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TXYLEN       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | TXYLEN       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | UNK273       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |

Table: Appendix K

TRIP BLANKS

FT. ALLEN

| Contractor | IRDMIS Method Code | Lot         | Test Name | IRDMIS Field Sample Number | Lab Number | Sample Date | Prep Date | Analysis Date | Value | Unit | IRDMIS Site ID |
|------------|--------------------|-------------|-----------|----------------------------|------------|-------------|-----------|---------------|-------|------|----------------|
| ABB-ES     | WMS1               | WAFW 111TCE | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW 112TCE | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW 110CLE | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW 120CLE | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW 120CLP | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW ACET   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 5     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW BRDCLM | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW C130CP | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW C2H5CL | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW C2H5CL | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW C6H6   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CCL4   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CH2CL2 | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CH3BR  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CH3CL  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CHBR3  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CHCL3  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CLC6H5 | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW CS2    | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW DBRCLM | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW ETC6H5 | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW MEC6H5 | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW MEK    | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 15    | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW MIBK   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 5     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW MIBK   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 5     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW STYR   | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW T130CP | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW TCLEA  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW TCLEE  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW TRCLE  | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW TXYLEN | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |
| ABB-ES     |                    | WAFW UNK262 | TRIP-2    | 52856-06                   | 04-DEC-96  | 06-DEC-96   | 12-DEC-96 | <             | 1     | UGL  | TRIP-2         |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|------|
| ABB-ES     |                    | DRO                | RNSWSS01       | RNSWSS01                   | 52680-02   | DRO       | DRAC | 19-NOV-96   | 26-NOV-96     | 348   | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | DRO       | DRAD | 04-DEC-96   | 10-DEC-96     | 105   | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | DRO       | DRAC | 19-NOV-96   | 26-NOV-96     | 100   | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | DRO       | DRAC | 18-NOV-96   | 26-NOV-96     | 100   | UGL  |
| ABB-ES     |                    |                    | RNSWMW01       | RNSWMW01                   | 52856-05   | DRO       | DRAD | 03-DEC-96   | 10-DEC-96     | 100   | UGL  |
| ABB-ES     |                    | GPB1               | RNSWSB01       | RNSWSB01                   | 52680-03   | PB        | PADF | 18-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | PB        | PADF | 19-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | PB        | PADF | 19-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWMW01       | RNSWMW01                   | 52856-05   | PB        | PADG | 03-DEC-96   | 12-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | PB        | PADG | 04-DEC-96   | 12-DEC-96     | 3     | UGL  |
| ABB-ES     |                    | GRO                | RNSWSB01       | RNSWSB01                   | 52680-03   | GRO       | GRAC | 18-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | GRO       | GRAC | 19-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | GRO       | GRAC | 19-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWMW01       | RNSWMW01                   | 52856-05   | GRO       | GRAD | 03-DEC-96   | 06-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | GRO       | GRAD | 04-DEC-96   | 06-DEC-96     | 10    | UGL  |
| ABB-ES     |                    | GSE1               | RNSWSS01       | RNSWSS01                   | 52680-02   | SE        | SADF | 19-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | SE        | SADF | 18-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | SE        | SADF | 19-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWMW01       | RNSWMW01                   | 52856-05   | SE        | SADG | 03-DEC-96   | 12-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | SE        | SADG | 04-DEC-96   | 12-DEC-96     | 5     | UGL  |
| ABB-ES     |                    | GTL1               | RNSWSB01       | RNSWSB01                   | 52680-03   | TL        | TADF | 18-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | TL        | TADF | 19-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | TL        | TADF | 19-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWMW01       | RNSWMW01                   | 52856-05   | TL        | TADG | 03-DEC-96   | 12-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | TL        | TADG | 04-DEC-96   | 12-DEC-96     | 10    | UGL  |
| ABB-ES     |                    | HGC1               | RNSWMW01       | RNSWMW01                   | 52856-05   | HG        | HACR | 03-DEC-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | HG        | HACQ | 18-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWMW02       | RNSWMW02                   | 52856-07   | HG        | HACR | 04-DEC-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | HG        | HACQ | 19-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | HG        | HACQ | 19-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    | ICM1               | RNSWMW01       | RNSWMW01                   | 52856-05   | AS        | WABM | 03-DEC-96   | 17-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | AS        | WABL | 19-NOV-96   | 17-DEC-96     | 5     | UGL  |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|----------|
| ABB-ES     |                    | ICM1               | RNSUSB02       | RNSUSB02                   | 52680-01   | AS        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-03   | AS        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52856-07   | AS        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-05   | BE        | WABH | 03-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-03   | BE        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-01   | BE        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-02   | BE        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-07   | BE        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52856-05   | CD        | WABH | 03-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-01   | CD        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-02   | CD        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-03   | CD        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52856-07   | CD        | WABH | 03-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-05   | SB        | WABH | 04-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-03   | SB        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-01   | SB        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-02   | SB        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-07   | SB        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    | ICP2               | RNSUSB01       | RNSUSB01                   | 52856-05   | AG        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-03   | AG        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-07   | AG        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-01   | AG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-02   | AG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-01   | AL        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 893 UGL  |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-03   | AL        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52856-05   | AL        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-07   | AL        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-02   | AL        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-03   | BA        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52856-07   | BA        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-05   | BA        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-01   | BA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-02   | BA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-03   | CA        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52856-05   | CA        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUSB02       | RNSUSB02                   | 52680-01   | CA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUSB01       | RNSUSB01                   | 52680-02   | CA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |



Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Code | Method Description | IRDMIS   |          | IRDMIS        |       | Lab Number  | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|-------------|--------------------|----------|----------|---------------|-------|-------------|-----------|------|-------------|---------------|-------|----------|
|            |             |                    | Field    | Site ID  | Sample Number | Field |             |           |      |             |               |       |          |
| ABB-ES     | ICP2        |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-07 CA |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 CO |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-01 CO |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-02 CO |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-07 CO |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-03 CO |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-01 CR |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10.4 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-03 CR |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-07 CR |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 CR |           | IADK | 03-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-02 CR |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 CU |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-03 CU |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-02 CU |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-07 CU |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-01 FE |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 1120 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-03 FE |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 FE |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-02 FE |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 K  |           | IADK | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-01 K  |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-03 K  |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-02 K  |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-07 K  |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-01 MG |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 MG |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-03 MG |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-02 MG |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-01 MN |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 49.6 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 MN |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-03 MN |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-07 MN |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-02 MN |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW01 | RNSMHW01 | RNSMHW01      |       | 52856-05 NA |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |             |                    | RNSMHW02 | RNSMHW02 | RNSMHW02      |       | 52856-07 NA |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number      | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|--------------------|--------------------|----------------|----------------------------|-----------------|-----------|------|-------------|---------------|-------|----------|
| ABB-ES     |                    | ICP2               | RNSMS801       | RNSMS801                   | 52680-03 NA     | 124TC8    | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01 NA     | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02 NA     | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 NI     | 124TC8    | IADL | 03-DEC-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 NI     | 124TC8    | IADL | 04-DEC-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03 NI     | 124TC8    | IADK | 18-NOV-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01 NI     | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02 NI     | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 V      | 124TC8    | IADL | 04-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03 V      | 124TC8    | IADK | 18-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01 V      | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 V      | 124TC8    | IADL | 03-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 V      | 124TC8    | IADL | 03-DEC-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03 ZN     | 124TC8    | IADL | 04-DEC-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01 ZN     | 124TC8    | IADK | 18-NOV-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02 ZN     | 124TC8    | IADK | 19-NOV-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    | SHV1               | RNSMS802       | RNSMS802                   | 52680-01 124TC8 | 124TC8    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03 124TC8 | 124TC8    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02 124TC8 | 124TC8    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 124TC8 | 124TC8    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 124TC8 | 124TC8    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-01 124TC8 | 124TC8    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03 124TC8 | 124TC8    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 124TC8 | 124TC8    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 124TC8 | 124TC8    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-01 130CLB | 130CLB    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-03 130CLB | 130CLB    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 130CLB | 130CLB    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52856-07 130CLB | 130CLB    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-01 140CLB | 140CLB    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-03 140CLB | 140CLB    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02 140CLB | 140CLB    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52856-05 140CLB | 140CLB    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value Unit |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|------------|
| ABB-ES     |                    | SWV1               | RNSMHW02       | RNSMHW02                   | 52856-07   | 14DCLB    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 245TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 245TCP    | BAEA | 18-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 245TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 245TCP    | BAEB | 03-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 245TCP    | BAEB | 04-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 246TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 246TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 246TCP    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 246TCP    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 246TCP    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 24DCLP    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 24DCLP    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 24DCLP    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 24DCLP    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 24DCLP    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 24DMPN    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 24DMPN    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 24DMPN    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 24DMPN    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 24DMPN    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 24DNP     | BAEA | 18-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 24DNP     | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 24DNP     | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 24DNP     | BAEB | 03-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 24DNP     | BAEB | 04-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 24DNT     | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 24DNT     | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 24DNT     | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 24DNT     | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 24DNT     | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 26DNT     | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 26DNT     | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | 26DNT     | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 26DNT     | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 26DNT     | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 2CLP      | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 2CLP      | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |

## RINSE BLANKS

**FT. ALLEN**

| Contractor | Method Description | IRMIS Method Code | IRMIS Site ID | IRMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | < | Value Unit |     |
|------------|--------------------|-------------------|---------------|---------------------------|------------|-----------|------|-------------|---------------|---|------------|-----|
|            |                    |                   |               |                           |            |           |      |             |               |   |            |     |
| ABB-ES     | SMV1               | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 2CLP      | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 2CLP      | BAEB | 03-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 2CLP      | BAEB | 04-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 2CHAP     | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 2CHAP     | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 2CHAP     | BAEA | 18-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 2CHAP     | BAEB | 03-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 2CHAP     | BAEB | 04-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 2NP       | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 2NP       | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 2NP       | BAEA | 18-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 2NP       | BAEB | 03-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 2NP       | BAEB | 04-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 2NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 2NANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 2NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 2NANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | < | 25         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 2NANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | < | 25         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 2NP       | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 2NP       | BAEA | 18-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 2NP       | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 2NP       | BAEB | 03-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 2NP       | BAEB | 04-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 330CB0    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 330CB0    | BAEA | 18-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 330CB0    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 10         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 330CB0    | BAEB | 03-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 330CB0    | BAEB | 04-DEC-96   | 13-DEC-96     | < | 10         | UGL |
|            |                    | RNSWSB02          | RNSWSB02      | RNSWSB02                  | 52680-01   | 3NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSWSB01          | RNSWSB01      | RNSWSB01                  | 52680-03   | 3NANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSWS01           | RNSWS01       | RNSWS01                   | 52680-02   | 3NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | < | 25         | UGL |
|            |                    | RNSMA01           | RNSMA01       | RNSMA01                   | 52856-05   | 3NANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | < | 25         | UGL |
|            |                    | RNSMA02           | RNSMA02       | RNSMA02                   | 52856-07   | 3NANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | < | 25         | UGL |

Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value Unit |
|------------|--------------------|-------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|------------|
| ABB-ES     | SMV1               | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52680-01   | 460N2C    | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 460N2C    | BAEA | 18-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-02   | 460N2C    | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 460N2C    | BAEB | 03-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 460N2C    | BAEB | 04-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4BRPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4BRPPE    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4BRPPE    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4BRPPE    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4CANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4CANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4CANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4CL3C     | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CL3C     | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4CL3C     | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4CL3C     | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4CLPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CLPPE    | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4CLPPE    | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4CLPPE    | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4NP       | BAEA | 19-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NP       | BAEA | 18-NOV-96   | 27-NOV-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4NP       | BAEB | 03-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4NP       | BAEB | 04-DEC-96   | 13-DEC-96     | 10 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52856-05   | 4NANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB02    | RNSWSB02       | RNSWSB02                   | 52856-07   | 4NANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-01   | 4NP       | BAEA | 19-NOV-96   | 27-NOV-96     | 25 UGL     |
| ABB-ES     |                    | RNSWSB01    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NP       | BAEA | 18-NOV-96   | 27-NOV-96     | 25 UGL     |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SHV1               | RNSJMA01       | RNSJMA01                   | 52856-05   | 4NP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | 4NP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | ANAPNE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | ANAPNE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | ANAPNE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | ANAPNE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | ANAPNE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | ANAPYL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | ANAPYL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | ANAPYL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | ANAPYL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | ANAPYL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | ANTRC     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | ANTRC     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | ANTRC     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | ANTRC     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | ANTRC     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | BZCEXH    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | BZCEXH    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | BZCEXH    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | BZCEXH    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | BZCEXH    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | BZCIPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | BZCIPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | BZCIPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | BZCIPE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | BZCIPE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | BZCLEE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | BZCLEE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | BZCLEE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | BZCLEE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | BZCLEE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | BZEHP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | BZEHP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | BZEHP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | BZEHP     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | BAANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SNV1               | RNSHSS01       | RNSHSS01                   | 52680-03   | BAANTR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BAANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BAANTR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BAANTR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | BAPYR     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BAPYR     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | BAPYR     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BAPYR     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BAPYR     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | BBFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BBFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | BBFANT    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BBFANT    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BBFANT    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | BBZP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BBZP      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | BBZP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BBZP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BBZP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | BGHIPY    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BGHIPY    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | BGHIPY    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BGHIPY    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BGHIPY    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | BKFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | BKFANT    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | BKFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | BKFANT    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | BKFANT    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | CARBZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | CARBZ     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | CARBZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | CARBZ     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH01       | RNSHMH01                   | 52856-05   | CARBZ     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS02       | RNSHSS02                   | 52680-01   | CHRY      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-02   | CHRY      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHSS01       | RNSHSS01                   | 52680-03   | CHRY      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSHMH02       | RNSHMH02                   | 52856-07   | CHRY      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SHV1               | RNSJMA01       | RNSJMA01                   | 52856-05   | CHRY      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | CL6BZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-03   | CL6BZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | CL6BZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL6BZ     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CL6BZ     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | CL6CP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-03   | CL6CP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | CL6CP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL6CP     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CL6CP     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | CL6ET     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-03   | CL6ET     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | CL6ET     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL6ET     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CL6ET     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | DBAHA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-03   | DBAHA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | DBAHA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DBAHA     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DBAHA     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | DBZFLUR   | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-03   | DBZFLUR   | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DBZFLUR   | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DBZFLUR   | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | DEP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | DEP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DEP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DEP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | DNP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | DNP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DNP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DNP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS801      | RNSJMS801                  | 52680-02   | DNPB      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSJMS802      | RNSJMS802                  | 52680-01   | DNPB      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |



Table: Appendix K

## RINSE BLANKS

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| Contractor | Method Description | IRDMIS<br>Method<br>Code | IRDMIS<br>Site ID | IRDMIS<br>Field<br>Sample<br>Number | Lab<br>Number | Test<br>Name | Lot  | Sample<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|-------------------|-------------------------------------|---------------|--------------|------|----------------|------------------|-------|--------|
| ABB-ES     |                    | SMV1                     | RNSWSS01          | RNSWSS01                            | 52680-02      | DIBP         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | DIBP         | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52856-05      | DIBP         | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | DNOP         | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | DNOP         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-01      | DNOP         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | DNOP         | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52856-05      | DNOP         | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | FANT         | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | FANT         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-01      | FANT         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | FANT         | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | FANT         | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | FLRENE       | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | FLRENE       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-01      | FLRENE       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | FLRENE       | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | FLRENE       | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | HCB0         | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-02      | HCB0         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | HCB0         | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | HCB0         | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | HCB0         | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | ICDPYR       | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-02      | ICDPYR       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | ICDPYR       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-01      | ICDPYR       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | ICDPYR       | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | ICDPYR       | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | ISOPHR       | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-02      | ISOPHR       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-01      | ISOPHR       | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52856-07      | ISOPHR       | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | ISOPHR       | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB01          | RNSWSB01                            | 52680-03      | NAP          | BAEA | 18-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSS01          | RNSWSS01                            | 52680-02      | NAP          | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWSB02          | RNSWSB02                            | 52680-01      | NAP          | BAEA | 19-NOV-96      | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW02          | RNSWMW02                            | 52856-07      | NAP          | BAEB | 04-DEC-96      | 13-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | RNSWMW01          | RNSWMW01                            | 52856-05      | NAP          | BAEB | 03-DEC-96      | 13-DEC-96        | <     | 10 UGL |

Table: Appendix K

## RINSE BLANKS

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| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SNV1               | RNSMSB01       | RNSMSB01                   | 52680-03   | NB        | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | NB        | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-02   | NB        | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | NB        | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | NB        | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-03   | NDNPA     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-02   | NDNPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | NDNPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | NDNPA     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | NDNPA     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | NDNPA     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | NDNPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | NDNPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | NDNPA     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | NDNPA     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | PCP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | PCP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | PCP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | PCP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | PCP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | PHANTR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | PHANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | PHANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | PHANTR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | PHANTR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | PHENOL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | PHENOL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | PHENOL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | PHENOL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | PHENOL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | PYR       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | PYR       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | PYR       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | PYR       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | PYR       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS01        | RNSMS01                    | 52680-03   | UNK337    | BAEA | 03-DEC-96   | 13-DEC-96     | <     | 2 UGL  |
| ABB-ES     |                    |                    | RNSMSB01       | RNSMSB01                   | 52680-02   | UNK337    | BAEA | 04-DEC-96   | 13-DEC-96     | <     | 3 UGL  |
| ABB-ES     |                    |                    | RNSMSB02       | RNSMSB02                   | 52680-01   | UNK363    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 2 UGL  |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | UNK363    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 2 UGL  |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | UNK363    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 2 UGL  |

## RINSE BLANKS

**FT. ALLEN**

| Contractor |      | Method Description |  | IRDMIS Method Code |          | IRDMIS Field |          | IRDMIS Site ID |      | Lab Number |           | Test Name |  | Lot |  | Sample Date |  | Analysis Date |  | Value Unit |        |         |
|------------|------|--------------------|--|--------------------|----------|--------------|----------|----------------|------|------------|-----------|-----------|--|-----|--|-------------|--|---------------|--|------------|--------|---------|
|            |      |                    |  |                    |          |              |          |                |      |            |           |           |  |     |  |             |  |               |  |            |        |         |
| ABB-ES     | SMV1 |                    |  | RNSHSB01           | RNSHSB01 | RNSHSB01     | 52680-03 | UNK583         | BAEA | 18-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            | 20 UGL |         |
|            |      |                    |  | RNSMSS01           | RNSMSS01 | RNSMSS01     | 52680-02 | UNK583         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            | 20 UGL |         |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | UNK583         | BAEB | 04-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            | 20 UGL |         |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | UNK583         | BAEB | 03-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            | 20 UGL |         |
|            |      |                    |  | RNSMSB02           | RNSMSB02 | RNSMSB02     | 52680-01 | UNK583         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            |        | 10 UGL  |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | UNK590         | BAEB | 03-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 2 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | UNK591         | BAEB | 04-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 3 UGL   |
|            |      |                    |  | RNSMSS01           | RNSMSS01 | RNSMSS01     | 52680-02 | UNK595         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            |        | 9 UGL   |
|            |      |                    |  | RNSHSB01           | RNSHSB01 | RNSHSB01     | 52680-03 | UNK595         | BAEA | 18-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            |        | 8 UGL   |
|            |      |                    |  | RNSHSB02           | RNSHSB02 | RNSHSB02     | 52680-01 | UNK595         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            |        | 6 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | UNK595         | BAEB | 04-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 3 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | UNK595         | BAEB | 03-DEC-96  | 13-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 3 UGL   |
| ABB-ES     |      |                    |  | RNSHSB02           | RNSHSB02 | RNSHSB02     | 52680-01 | UNK646         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            |        | 3 UGL   |
|            |      |                    |  | RNSHSB02           | RNSHSB02 | RNSHSB02     | 52680-01 | UNK651         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            | 4 UGL  |         |
|            |      |                    |  | RNSHSB02           | RNSHSB02 | RNSHSB02     | 52680-01 | UNK657         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            | 3 UGL  |         |
|            |      |                    |  | RNSHSB02           | RNSHSB02 | RNSHSB02     | 52680-01 | UNK665         | BAEA | 19-NOV-96  | 27-NOV-96 | <         |  |     |  |             |  |               |  |            | 2 UGL  |         |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 111TCE         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 111TCE         | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 112TCE         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 112TCE         | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 11DCE          | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 11DCE          | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 11DCE          | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 11DCE          | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
| ABB-ES     |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 12DCE          | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 12DCE          | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 12DCLB         | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 12DCLB         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 12DCLB         | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 12DCLB         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 12DCLP         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | 12DCLP         | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | 13DCLB         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 2.2 UGL |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | ACET           | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 5 UGL   |
|            |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | ACET           | VAFX | 04-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
|            |      |                    |  | RNSMH02            | RNSMH02  | RNSMH02      | 52856-07 | BRCLM          | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |
| ABB-ES     |      |                    |  | RNSMH01            | RNSMH01  | RNSMH01      | 52856-05 | C13DPC         | VAFX | 03-DEC-96  | 14-DEC-96 | <         |  |     |  |             |  |               |  |            |        | 1 UGL   |

Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | VMS1               | RNSJMA02       | RNSJMA02                   | 52856-07   | C130CP    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | C2H3CL    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | C2H3CL    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | C2H5CL    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | C2H5CL    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | C6H6      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | C6H6      | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CCL4      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CCL4      | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CCL4      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CH2CL2    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CH2CL2    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CH3BR     | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CH3BR     | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CH3CL     | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CH3CL     | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CHBR3     | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CHBR3     | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CHCL3     | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CHCL3     | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CLC6H5    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CLC6H5    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CS2       | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CS2       | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DBRCLM    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DBRCLM    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | ETC6H5    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | ETC6H5    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | MEC6H5    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | MEC6H5    | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | MEK       | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | MEK       | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 15 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | MIBK      | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | MIBK      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | MIBK      | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | MIBK      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 5 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | STYR      | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | STYR      | VAFX | 03-DEC-96   | 14-DEC-96     | <     | 1 UGL  |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | T13DCP    | VAFX | 04-DEC-96   | 14-DEC-96     | <     | 1 UGL  |

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | SHV1               | 246TBP    | RNSWSB02       | RNSWSB02                   | 52680-01   | BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SHV1               | 246TBP    | RNSWS01        | RNSWS01                    | 52680-02   | BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 44 UGL     | 58.7             |
| ABB-ES     |                    | SHV1               | 246TBP    | RNSWSB01       | RNSWSB01                   | 52680-03   | BAEA | 18-NOV-96   | 27-NOV-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SHV1               | 246TBP    | MW-03-01       | M030126X                   | 52856-01   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 62 UGL     | 82.7             |
| ABB-ES     |                    | SHV1               | 246TBP    | MW-03-02       | M030222X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 54 UGL     | 72.0             |
| ABB-ES     |                    | SHV1               | 246TBP    | MW-08-01       | M080120X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 53 UGL     | 70.7             |
| ABB-ES     |                    | SHV1               | 246TBP    | MW-09-01       | M090113X                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SHV1               | 246TBP    | RNSMMW01       | RNSMMW01                   | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 60 UGL     | 80.0             |
| ABB-ES     |                    | SHV1               | 246TBP    | RNSMMW02       | RNSMMW02                   | 52856-07   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 64 UGL     | 85.3             |
| ABB-ES     |                    | SHV1               | 246TBP    |                |                            | BAEA-BS1   | BAEA |             | 27-NOV-96     | 75          | 62 UGL     | 82.7             |
| ABB-ES     |                    | SHV1               | 246TBP    |                |                            | BAEA-BS2   | BAEA |             | 27-NOV-96     | 75          | 56 UGL     | 74.7             |
| ABB-ES     |                    | SHV1               | 246TBP    |                |                            | BAEB-BS1   | BAEB |             | 18-DEC-96     | 75          | 62 UGL     | 82.7             |
| ABB-ES     |                    | SHV1               | 246TBP    |                |                            | BAEB-BS2   | BAEB |             | 18-DEC-96     | 75          | 68 UGL     | 90.7             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 73.8             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 58.7             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 90.7             |
| ABB-ES     |                    | SHV1               | 2FBP      | RNSWSB02       | RNSWSB02                   | 52680-01   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 23 UGL     | 46.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | RNSWS01        | RNSWS01                    | 52680-02   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 27 UGL     | 54.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | RNSWSB01       | RNSWSB01                   | 52680-03   | BAEA | 18-NOV-96   | 27-NOV-96     | 50          | 24 UGL     | 48.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | MW-03-01       | M030126X                   | 52856-01   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 31 UGL     | 62.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | MW-03-02       | M030222X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 26 UGL     | 52.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | MW-08-01       | M080120X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 27 UGL     | 54.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | MW-09-01       | M090113X                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 22 UGL     | 44.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | RNSMMW01       | RNSMMW01                   | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 28 UGL     | 56.0             |
| ABB-ES     |                    | SHV1               | 2FBP      | RNSMMW02       | RNSMMW02                   | 52856-07   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 31 UGL     | 62.0             |
| ABB-ES     |                    | SHV1               | 2FBP      |                |                            | BAEA-BS1   | BAEA |             | 27-NOV-96     | 50          | 33 UGL     | 66.0             |
| ABB-ES     |                    | SHV1               | 2FBP      |                |                            | BAEA-BS2   | BAEA |             | 27-NOV-96     | 50          | 29 UGL     | 58.0             |
| ABB-ES     |                    | SHV1               | 2FBP      |                |                            | BAEB-BS1   | BAEB |             | 18-DEC-96     | 50          | 28 UGL     | 56.0             |
| ABB-ES     |                    | SHV1               | 2FBP      |                |                            | BAEB-BS2   | BAEB |             | 18-DEC-96     | 50          | 32 UGL     | 64.0             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 55.5             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 44.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 66.0             |
| ABB-ES     |                    | SHV1               | 2FP       | RNSWSB02       | RNSWSB02                   | 52680-01   | BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 50 UGL     | 66.7             |
| ABB-ES     |                    | SHV1               | 2FP       | RNSWS01        | RNSWS01                    | 52680-02   | BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 56 UGL     | 74.7             |

Table: Appendix K  
SEMIVOLATILE SURROGATES

FT. ALLEN

| IRDMIS     |        |         | IRDMIS      |           |                | IRDMIS              |            |           | IRDMIS      |               |             | IRDMIS     |                  |  |
|------------|--------|---------|-------------|-----------|----------------|---------------------|------------|-----------|-------------|---------------|-------------|------------|------------------|--|
| Contractor | Method | Code    | Description | Test Name | IRDMIS Site ID | Field Sample Number | Lab Number | Lot       | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |  |
| ABB-ES     | SHV1   | SHV1    |             | 2FP       | RNSWSB01       | RNSWSB01            | 52680-03   | BAEA      | 18-NOV-96   | 27-NOV-96     | 75          | 52 UGL     | 69.3             |  |
|            | SHV1   | SHV1    |             | 2FP       | MJ-03-01       | M030126X            | 52856-01   | BAEB      | 04-DEC-96   | 13-DEC-96     | 75          | 55 UGL     | 73.3             |  |
|            | SHV1   | SHV1    |             | 2FP       | MJ-03-02       | M030222X            | 52856-02   | BAEB      | 04-DEC-96   | 13-DEC-96     | 75          | 48 UGL     | 64.0             |  |
|            | SHV1   | SHV1    |             | 2FP       | MJ-08-01       | M080120X            | 52856-03   | BAEB      | 03-DEC-96   | 13-DEC-96     | 75          | 51 UGL     | 68.0             |  |
|            | SHV1   | SHV1    |             | 2FP       | MJ-09-01       | M090113X            | 52856-04   | BAEB      | 04-DEC-96   | 13-DEC-96     | 75          | 40 UGL     | 53.3             |  |
|            | SHV1   | SHV1    |             | 2FP       | RNSWSB01       | RNSWSB01            | 52856-05   | BAEB      | 03-DEC-96   | 13-DEC-96     | 75          | 52 UGL     | 69.3             |  |
|            | SHV1   | SHV1    |             | 2FP       | RNSWSB02       | RNSWSB02            | 52856-07   | BAEB      | 04-DEC-96   | 13-DEC-96     | 75          | 61 UGL     | 81.3             |  |
|            | SHV1   | SHV1    |             | 2FP       |                |                     | BAEA-BS1   | BAEA      |             | 27-NOV-96     | 75          | 64 UGL     | 85.3             |  |
|            | SHV1   | SHV1    |             | 2FP       |                |                     | BAEA-BS2   | BAEA      |             | 27-NOV-96     | 75          | 62 UGL     | 82.7             |  |
|            | SHV1   | SHV1    |             | 2FP       |                |                     | BAEB-BS1   | BAEB      |             | 18-DEC-96     | 75          | 51 UGL     | 68.0             |  |
| *****      |        |         |             |           |                |                     |            |           |             |               |             |            |                  |  |
|            |        | avg     |             |           |                |                     |            |           |             |               |             |            | 71.3             |  |
|            |        | minimum |             |           |                |                     |            |           |             |               |             |            | 53.3             |  |
|            |        | maximum |             |           |                |                     |            |           |             |               |             |            | 85.3             |  |
| ABB-ES     | SHV1   | SHV1    |             | NBD5      | RNSWSB02       | RNSWSB02            | 52680-01   | BAEA      | 19-NOV-96   | 27-NOV-96     | 50          | 34 UGL     | 68.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | RNSWSB01       | RNSWSB01            | 52680-02   | BAEA      | 19-NOV-96   | 27-NOV-96     | 50          | 38 UGL     | 76.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | RNSWSB01       | M030126X            | 52680-03   | BAEA      | 18-NOV-96   | 27-NOV-96     | 50          | 34 UGL     | 68.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | MJ-03-01       | 52856-01            | BAEB       | 04-DEC-96 | 13-DEC-96   | 50            | 43 UGL      | 86.0       |                  |  |
|            | SHV1   | SHV1    |             | NBD5      | MJ-03-02       | 52856-02            | BAEB       | 04-DEC-96 | 13-DEC-96   | 50            | 33 UGL      | 66.0       |                  |  |
|            | SHV1   | SHV1    |             | NBD5      | MJ-08-01       | M080120X            | 52856-03   | BAEB      | 03-DEC-96   | 13-DEC-96     | 50          | 38 UGL     | 76.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | MJ-09-01       | M090113X            | 52856-04   | BAEB      | 04-DEC-96   | 13-DEC-96     | 50          | 28 UGL     | 56.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | RNSWSB01       | RNSWSB01            | 52856-05   | BAEB      | 03-DEC-96   | 13-DEC-96     | 50          | 36 UGL     | 72.0             |  |
|            | SHV1   | SHV1    |             | NBD5      | RNSWSB02       | RNSWSB02            | 52856-07   | BAEB      | 04-DEC-96   | 13-DEC-96     | 50          | 41 UGL     | 82.0             |  |
|            | SHV1   | SHV1    |             | NBD5      |                |                     | BAEA-BS1   | BAEA      |             | 27-NOV-96     | 50          | 44 UGL     | 88.0             |  |
| ABB-ES     | SHV1   | SHV1    |             | NBD5      |                |                     | BAEA-BS2   | BAEA      |             | 27-NOV-96     | 50          | 44 UGL     | 88.0             |  |
|            | SHV1   | SHV1    |             | NBD5      |                |                     | BAEB-BS1   | BAEB      |             | 18-DEC-96     | 50          | 35 UGL     | 70.0             |  |
|            | SHV1   | SHV1    |             | NBD5      |                |                     | BAEB-BS2   | BAEB      |             | 18-DEC-96     | 50          | 40 UGL     | 80.0             |  |
|            | *****  |         |             |           |                |                     |            |           |             |               |             |            |                  |  |
|            |        | avg     |             |           |                |                     |            |           |             |               |             |            | 75.1             |  |
|            |        | minimum |             |           |                |                     |            |           |             |               |             |            | 56.0             |  |
|            |        | maximum |             |           |                |                     |            |           |             |               |             |            | 88.0             |  |
| ABB-ES     | SHV1   | SHV1    | TRPD14      |           | RNSWSB02       | RNSWSB02            | 52680-01   | BAEA      | 19-NOV-96   | 27-NOV-96     | 50          | 40 UGL     | 80.0             |  |
|            | SHV1   | SHV1    | TRPD14      |           | RNSWSB01       | RNSWSB01            | 52680-02   | BAEA      | 19-NOV-96   | 27-NOV-96     | 50          | 37 UGL     | 74.0             |  |
|            | SHV1   | SHV1    | TRPD14      |           | RNSWSB01       | M030126X            | 52680-03   | BAEA      | 18-NOV-96   | 27-NOV-96     | 50          | 38 UGL     | 76.0             |  |
|            | SHV1   | SHV1    | TRPD14      |           | MJ-03-01       | 52656-01            | BAEB       | 04-DEC-96 | 13-DEC-96   | 50            | 44 UGL      | 88.0       |                  |  |

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | SHV1               | TRPD14    | MW-03-02       | M030222X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 38 UGL     | 76.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | MW-08-01       | M080120X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 28 UGL     | 56.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | MW-09-01       | M090113X                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 36 UGL     | 72.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RNSMW01        | RNSMW01                    | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 47 UGL     | 94.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RNSMW02        | RNSMW02                    | 52856-07   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 50 UGL     | 100.0            |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEA-BS1   | BAEA | 27-NOV-96   |               | 50          | 40 UGL     | 80.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEA-BS2   | BAEA | 27-NOV-96   |               | 50          | 44 UGL     | 88.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEB-BS1   | BAEB | 18-DEC-96   |               | 50          | 41 UGL     | 82.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEB-BS2   | BAEB | 18-DEC-96   |               | 50          | 48 UGL     | 96.0             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 81.7             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 56.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 100.0            |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-08-02       | B080212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.2 UGG    | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-M9-01       | B090112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.3 UGG    | 76.5             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-03       | B090312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.2 UGG    | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-04       | B090412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.1 UGG    | 44.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-CW-01       | SCW0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-MW-01       | SMW0102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-09-01       | S090101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-09-02       | S090201X                   | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.2 UGG    | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-M9-01       | SM90101X                   | 52678-13   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-01       | B090112X                   | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.1 UGG    | 44.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-02       | B090212X                   | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 2 UGG      | 80.0             |
| ABB-ES     |                    | SHV2               | 246TBP    |                |                            | BSBS-BS1   | BSBS | 16-DEC-96   |               | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SHV2               | 246TBP    |                |                            | BSBS-BS2   | BSBS | 16-DEC-96   |               | 2.5         | 1.1 UGG    | 44.0             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 58.4             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 44.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 80.0             |
| ABB-ES     |                    | SHV2               | 2FBP      | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |

Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | SMV2               | 2FBP      | SB-08-02       | BO80212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-M9-01       | BM90112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-09-03       | BO90312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .86 UGG    | 50.6             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-09-04       | BO90412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .98 UGG    | 57.6             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-CM-01       | SCM0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .82 UGG    | 48.2             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-WJ-01       | SAW0102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-09-01       | SO90101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .97 UGG    | 57.1             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-09-02       | SO90201X                   | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SMV2               | 2FBP      | SS-M9-01       | SM90101X                   | 52678-13   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .96 UGG    | 56.5             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-09-01       | BO90112X                   | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | 2FBP      | SB-09-02       | BO90212X                   | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.7 UGG    | 100.0            |
| ABB-ES     |                    | SMV2               | 2FBP      | *****          |                            | BSBS-BS1   | BSBS |             | 16-DEC-96     | 1.7         | .92 UGG    | 54.1             |
| ABB-ES     |                    | SMV2               | 2FBP      | *****          |                            | BSBS-BS2   | BSBS |             | 16-DEC-96     | 1.7         | .85 UGG    | 50.0             |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 58.7             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 48.2             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 100.0            |
| ABB-ES     |                    | SMV2               | 2FP       | SB-08-01       | BO80112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-08-02       | BO80212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.8 UGG    | 72.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-M9-01       | BM90112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-09-03       | BO90312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-09-04       | BO90412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-CM-01       | SCM0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-WJ-01       | SAW0102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-09-01       | SO90101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-09-02       | SO90201X                   | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SS-M9-01       | SM90101X                   | 52678-13   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.3 UGG    | 52.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-09-01       | BO90112X                   | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SMV2               | 2FP       | SB-09-02       | BO90212X                   | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 2.6 UGG    | 104.0            |
| ABB-ES     |                    | SMV2               | 2FP       | *****          |                            | BSBS-BS1   | BSBS |             | 16-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SMV2               | 2FP       | *****          |                            | BSBS-BS2   | BSBS |             | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |



Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| *****      |                    |                    |           |                |                      |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                      |            |      |             |               |             |            | 64.5             |
|            |                    |                    | minimum   |                |                      |            |      |             |               |             |            | 52.0             |
|            |                    |                    | maximum   |                |                      |            |      |             |               |             |            | 104.0            |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-08-01       | B080112X             | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-08-02       | B080212X             | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-M9-01       | BH90112X             | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-PH-01       | BPH0107X             | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-09-03       | B090312X             | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .87 UGG    | 51.2             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-09-04       | B090412X             | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-LE-01       | SLE0101X             | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-LE-02       | SLE0201X             | 52678-08   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 64.7             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-CH-01       | SCW0101X             | 52678-09   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .91 UGG    | 53.5             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-WM-01       | SMW0102X             | 52678-10   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-09-01       | SO90101X             | 52678-11   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-09-02       | SO90201X             | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .92 UGG    | 54.1             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SS-M9-01       | SM90101X             | 52678-13   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .87 UGG    | 51.2             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-09-01       | B090112X             | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | NBD5      | SB-09-02       | B090212X             | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.7 UGG    | 100.0            |
| ABB-ES     | SHV2               | SHV2               | NBD5      |                |                      | BSBS-BS1   | BSBS |             | 16-DEC-96     | 1.7         | .93 UGG    | 54.7             |
| ABB-ES     | SHV2               | SHV2               | NBD5      |                |                      | BSBS-BS2   | BSBS |             | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| *****      |                    |                    |           |                |                      |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                      |            |      |             |               |             |            | 59.3             |
|            |                    |                    | minimum   |                |                      |            |      |             |               |             |            | 48.8             |
|            |                    |                    | maximum   |                |                      |            |      |             |               |             |            | 100.0            |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-08-01       | B080112X             | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.3 UGG    | 76.5             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-08-02       | B080212X             | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.5 UGG    | 88.2             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-M9-01       | BH90112X             | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.4 UGG    | 82.4             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-PH-01       | BPH0107X             | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-09-03       | B090312X             | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SB-09-04       | B090412X             | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SS-LE-01       | SLE0101X             | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SS-LE-02       | SLE0201X             | 52678-08   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SS-CH-01       | SCW0101X             | 52678-09   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SS-WM-01       | SMW0102X             | 52678-10   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.2 UGG    | 70.6             |
| ABB-ES     | SHV2               | SHV2               | TRPD14    | SS-09-01       | SO90101X             | 52678-11   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |

**FT. ALLEN**

| Contractor Method Description |  | IRDWIS Method Code |  | Test Name |  | IRDWIS Site ID |  | IRDWIS Field Sample Number |  | Lab Number |      | Lot |           | Sample Date |           | Analysis Date |     | Spike Value |     | Value Unit |  | Percent Recovery |  |
|-------------------------------|--|--------------------|--|-----------|--|----------------|--|----------------------------|--|------------|------|-----|-----------|-------------|-----------|---------------|-----|-------------|-----|------------|--|------------------|--|
| ABB-ES                        |  | SMV2               |  | TRPD14    |  | SS-09-02       |  | S090201X                   |  | 52678-12   | BSBS |     | 19-NOV-96 |             | 16-DEC-96 |               | 1.7 |             | 1.1 | UGG        |  | 64.7             |  |
| ABB-ES                        |  | SMV2               |  | TRPD14    |  | SS-W9-01       |  | SW90101X                   |  | 52678-13   | BSBS |     | 19-NOV-96 |             | 18-DEC-96 |               | 1.7 |             | .96 | UGG        |  | 56.5             |  |
| ABB-ES                        |  | SMV2               |  | TRPD14    |  | S8-09-01       |  | B090112X                   |  | 52678-14   | BSBS |     | 18-NOV-96 |             | 16-DEC-96 |               | 1.7 |             | 1.1 | UGG        |  | 64.7             |  |
| ABB-ES                        |  | SMV2               |  | TRPD14    |  | S8-09-02       |  | B090212X                   |  | 52678-15   | BSBS |     | 18-NOV-96 |             | 16-DEC-96 |               | 1.7 |             | 2   | UGG        |  | 117.6            |  |
| ABB-ES                        |  | SMV2               |  | TRPD14    |  |                |  | BSBS-BS1                   |  | BSBS       |      |     | 16-DEC-96 |             | 16-DEC-96 |               | 1.7 |             | 1.1 | UGG        |  | 64.7             |  |
| ABB-ES                        |  | SMV2               |  | TRPD14    |  | *****          |  | BSBS-BS2                   |  | BSBS       |      |     | 16-DEC-96 |             | 16-DEC-96 |               | 1.7 |             | 1.1 | UGG        |  | 64.7             |  |
| avg                           |  |                    |  |           |  |                |  |                            |  |            |      |     |           |             |           |               |     |             |     |            |  | 70.4             |  |
| minimum                       |  |                    |  |           |  |                |  |                            |  |            |      |     |           |             |           |               |     |             |     |            |  | 56.5             |  |
| maximum                       |  |                    |  |           |  |                |  |                            |  |            |      |     |           |             |           |               |     |             |     |            |  | 117.6            |  |

Table: Appendix K

## VOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | IRDMIS<br>Site ID | IRDMIS<br>Field<br>Sample<br>Number | Lab<br>Number | Lot  | Sample<br>Date | Analysis<br>Date | Spike<br>Value | Value Unit | Percent<br>Recovery |
|------------|--------------------|--------------------------|--------------|-------------------|-------------------------------------|---------------|------|----------------|------------------|----------------|------------|---------------------|
| ABB-ES     |                    | VMS1                     | 12DCD4       |                   |                                     | VAFW-BS1      | VAFW |                | 12-DEC-96        | 10             | 9.3 UGL    | 93.0                |
| ABB-ES     |                    | VMS1                     | 12DCD4       |                   |                                     | VAFW-BS2      | VAFW |                | 12-DEC-96        | 10             | 9.5 UGL    | 95.0                |
| ABB-ES     |                    | VMS1                     | 12DCD4       |                   |                                     | VAFX-BS1      | VAFX |                | 14-DEC-96        | 10             | 9.5 UGL    | 95.0                |
| ABB-ES     |                    | VMS1                     | 12DCD4       |                   |                                     | VAFX-BS2      | VAFX |                | 14-DEC-96        | 10             | 9.6 UGL    | 96.0                |
|            |                    |                          | *****        |                   |                                     |               |      |                |                  |                |            |                     |
|            |                    |                          | avg          |                   |                                     |               |      |                |                  |                |            | 94.8                |
|            |                    |                          | minimum      |                   |                                     |               |      |                |                  |                |            | 93.0                |
|            |                    |                          | maximum      |                   |                                     |               |      |                |                  |                |            | 96.0                |
| ABB-ES     |                    | VMS1                     | 4BFB         |                   |                                     | VAFW-BS1      | VAFW |                | 12-DEC-96        | 10             | 10 UGL     | 100.0               |
| ABB-ES     |                    | VMS1                     | 4BFB         |                   |                                     | VAFW-BS2      | VAFW |                | 12-DEC-96        | 10             | 11 UGL     | 110.0               |
| ABB-ES     |                    | VMS1                     | 4BFB         |                   |                                     | VAFX-BS1      | VAFX |                | 14-DEC-96        | 10             | 10 UGL     | 100.0               |
| ABB-ES     |                    | VMS1                     | 4BFB         |                   |                                     | VAFX-BS2      | VAFX |                | 14-DEC-96        | 10             | 10 UGL     | 100.0               |
|            |                    |                          | *****        |                   |                                     |               |      |                |                  |                |            |                     |
|            |                    |                          | avg          |                   |                                     |               |      |                |                  |                |            | 102.5               |
|            |                    |                          | minimum      |                   |                                     |               |      |                |                  |                |            | 100.0               |
|            |                    |                          | maximum      |                   |                                     |               |      |                |                  |                |            | 110.0               |
| ABB-ES     |                    | VMS1                     | MEC608       |                   |                                     | VAFW-BS1      | VAFW |                | 12-DEC-96        | 10             | 11 UGL     | 110.0               |
| ABB-ES     |                    | VMS1                     | MEC608       |                   |                                     | VAFW-BS2      | VAFW |                | 12-DEC-96        | 10             | 11 UGL     | 110.0               |
| ABB-ES     |                    | VMS1                     | MEC608       |                   |                                     | VAFX-BS1      | VAFX |                | 14-DEC-96        | 10             | 11 UGL     | 110.0               |
| ABB-ES     |                    | VMS1                     | MEC608       |                   |                                     | VAFX-BS2      | VAFX |                | 14-DEC-96        | 10             | 10 UGL     | 100.0               |
|            |                    |                          | *****        |                   |                                     |               |      |                |                  |                |            |                     |
|            |                    |                          | avg          |                   |                                     |               |      |                |                  |                |            | 107.5               |
|            |                    |                          | minimum      |                   |                                     |               |      |                |                  |                |            | 100.0               |
|            |                    |                          | maximum      |                   |                                     |               |      |                |                  |                |            | 110.0               |

**GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS**

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**ABB Environmental Services, Inc.**

## GRO/DRO DATA VALIDATION REPORT

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**ABB Environmental Services, Inc.**

**DATA VALIDATION REPORT  
MODIFIED USEPA METHOD 8015A FOR GRO/DRO  
SITE INSPECTION REPORT  
FORT ALLEN, JUANA DIAZ, PUERTO RICO**

**Introduction:** The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

**Holding Times.** All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a "V" to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of  $\leq 4^{\circ}\text{C}$ . Cooler temperatures ranged from seven degrees to  $14^{\circ}\text{C}$ . This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

**Initial Calibration.** Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

**Continuing Calibration.** Continuing calibrations were analyzed for the DRO analysis at the mid-point level of  $2500\text{ }\mu\text{g/mL}$ . All continuing calibrations were  $\leq 15\%$  Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of  $200\text{ }\mu\text{g/L}$ . All continuing calibrations were  $\leq 15\%$  Difference.

**Method Blank.** Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

**Surrogate Spikes.** All samples analyzed for DRO were spiked with  $\sigma$ -Terphenyl at a final concentration of 20  $\mu\text{g/mL}$  prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and,  $\alpha,\alpha,\alpha$ -Trifluorotoluene (TFT) surrogate at a concentration of 30  $\mu\text{g/L}$  prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

**Matrix Spikes/Matrix Spike Duplicates.** Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

**Laboratory Control Samples.** Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at  $\pm 44\%$  RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

**Overall Assessment.** Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.



## DRO CHROMATOGRAMS

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**ABB Environmental Services, Inc.**

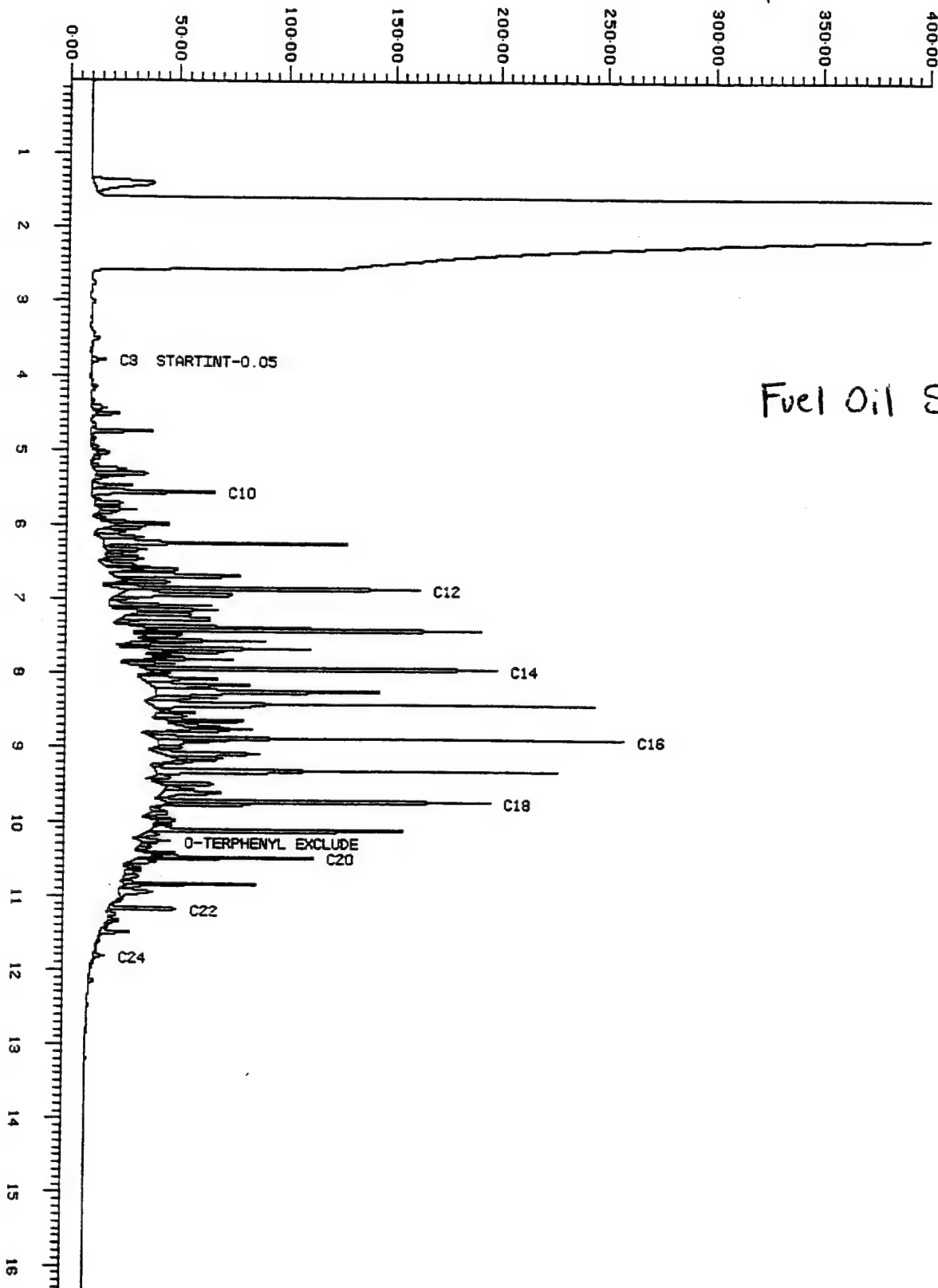
Quanterra Denver Multichrom V2.1

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Reported on 10-DEC-1996 at 18:50  
Box 1 (of 1)

*pc 12/11*

Fuel Oil Standard



[FID12\_2] 76 Z09DEC96,19,1

52678-13

PDIL=10%

T=SA.

Amount : 1.000.

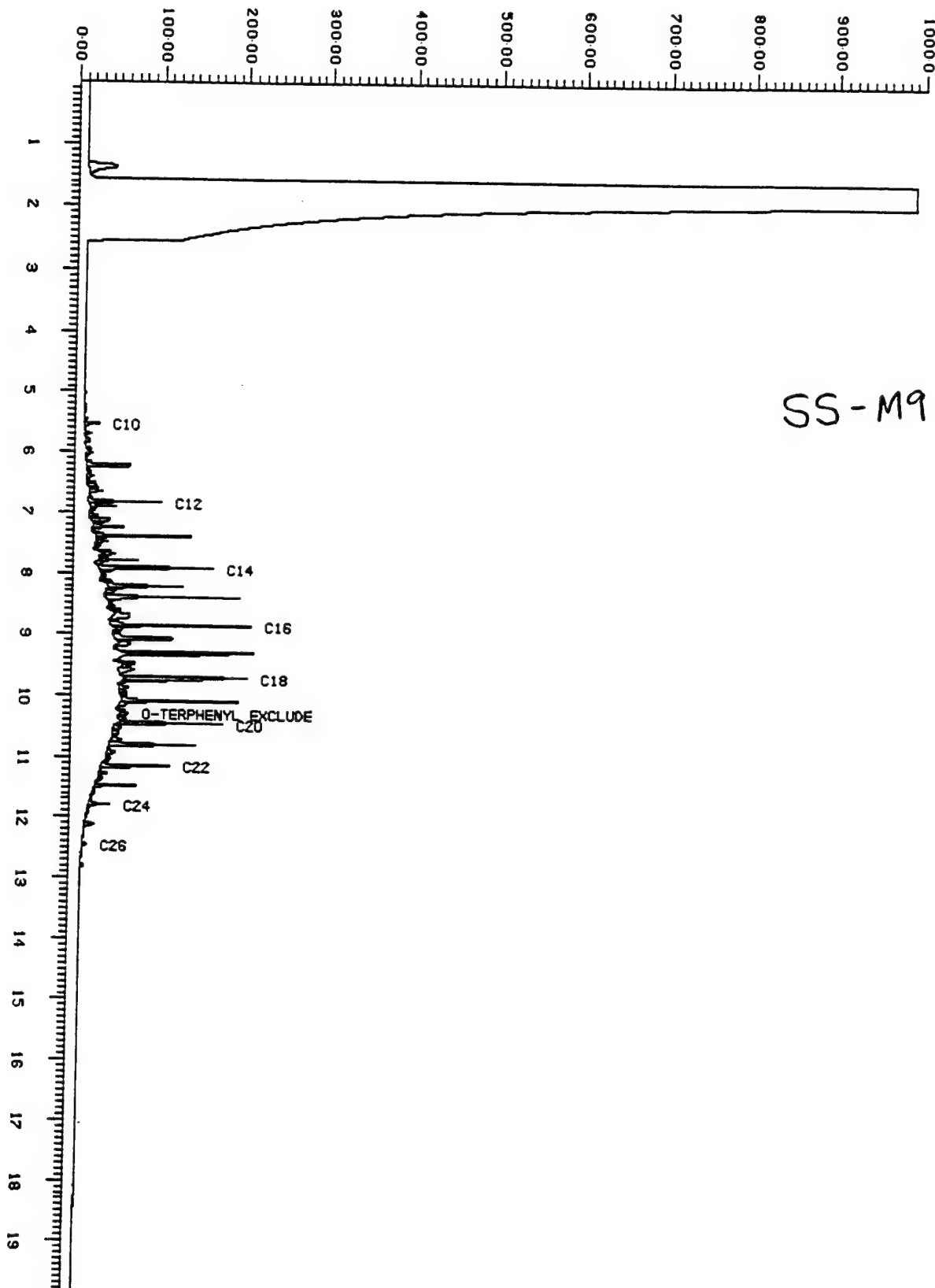
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Acquired on 9-DEC-1996 at 21:19

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*gc 12/10*



SS-M9-01

[FID12\_2] 76 Z09DEC96,14,1

52678-08

T=SA.

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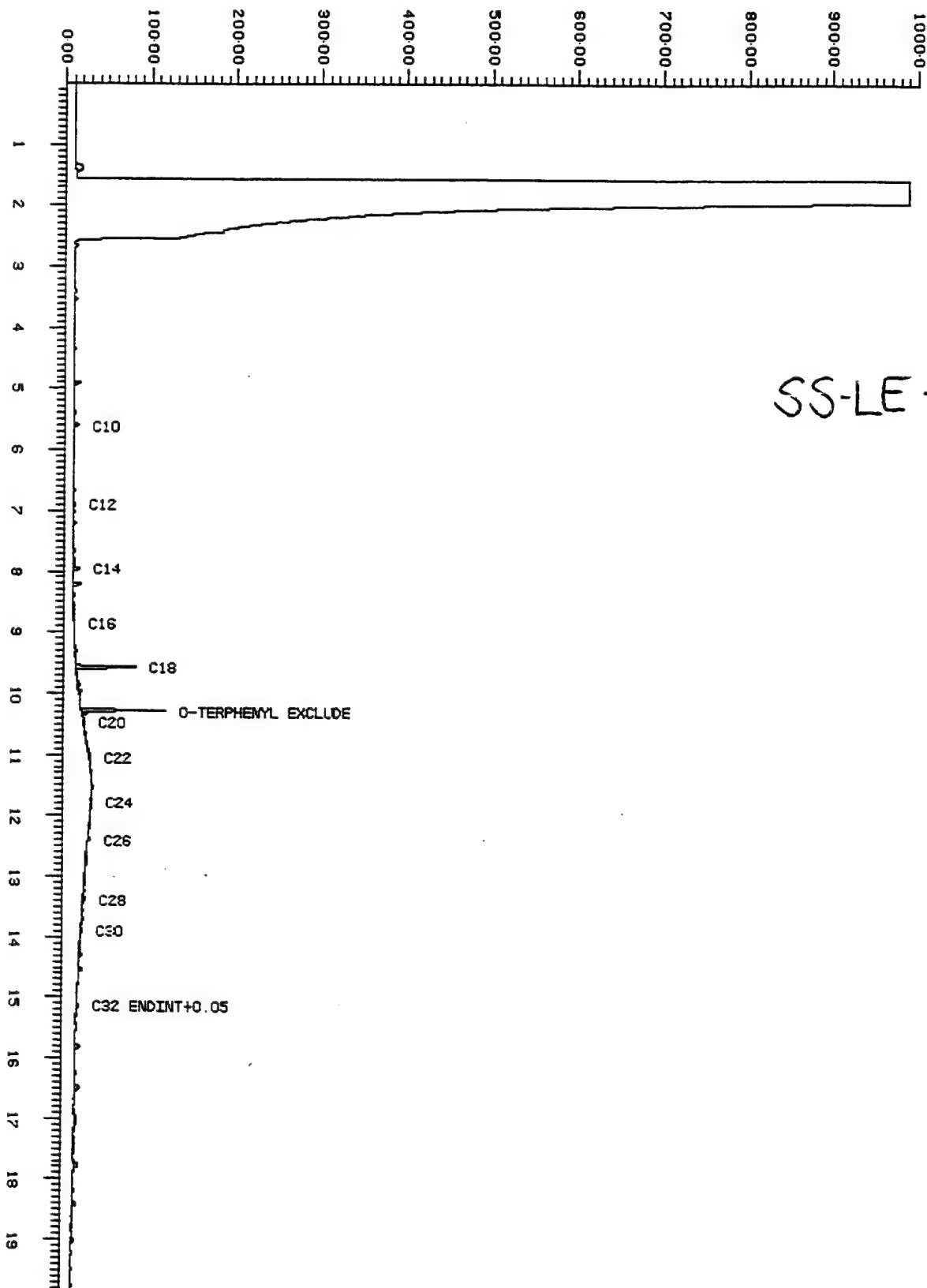
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Acquired on 9-DEC-1996 at 18:31

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*P-1210*



SS-LE-02

Quanterra Denver Multichrom V2.1

[FID12\_2] 76 Z10DEC96,9,1

52678-07

T=SA.

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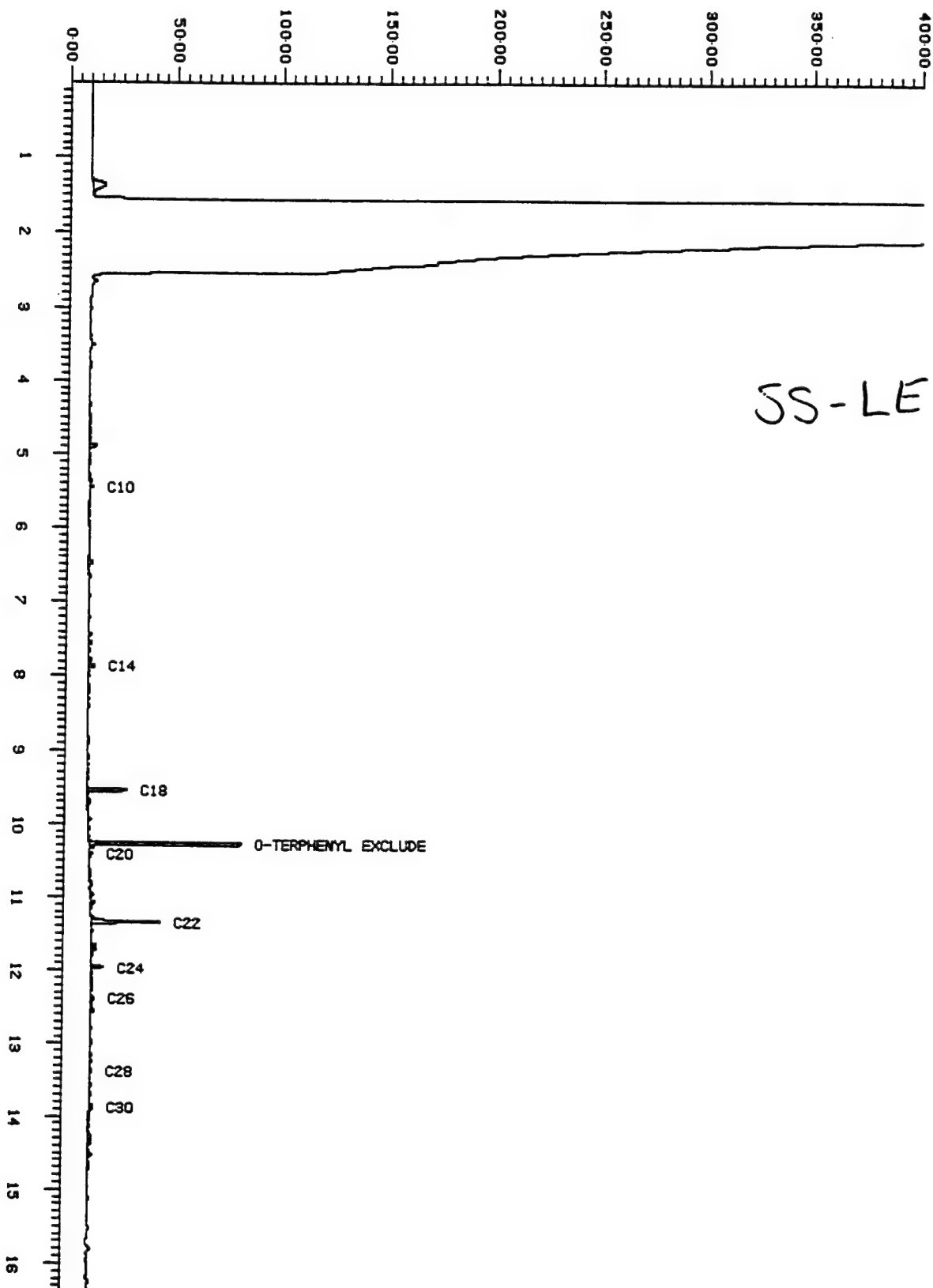
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Reported on 10-DEC-1996 at 16:02

Box 1 (of 1)

*BC 12/11*



*SS-LE-01*

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2678-11

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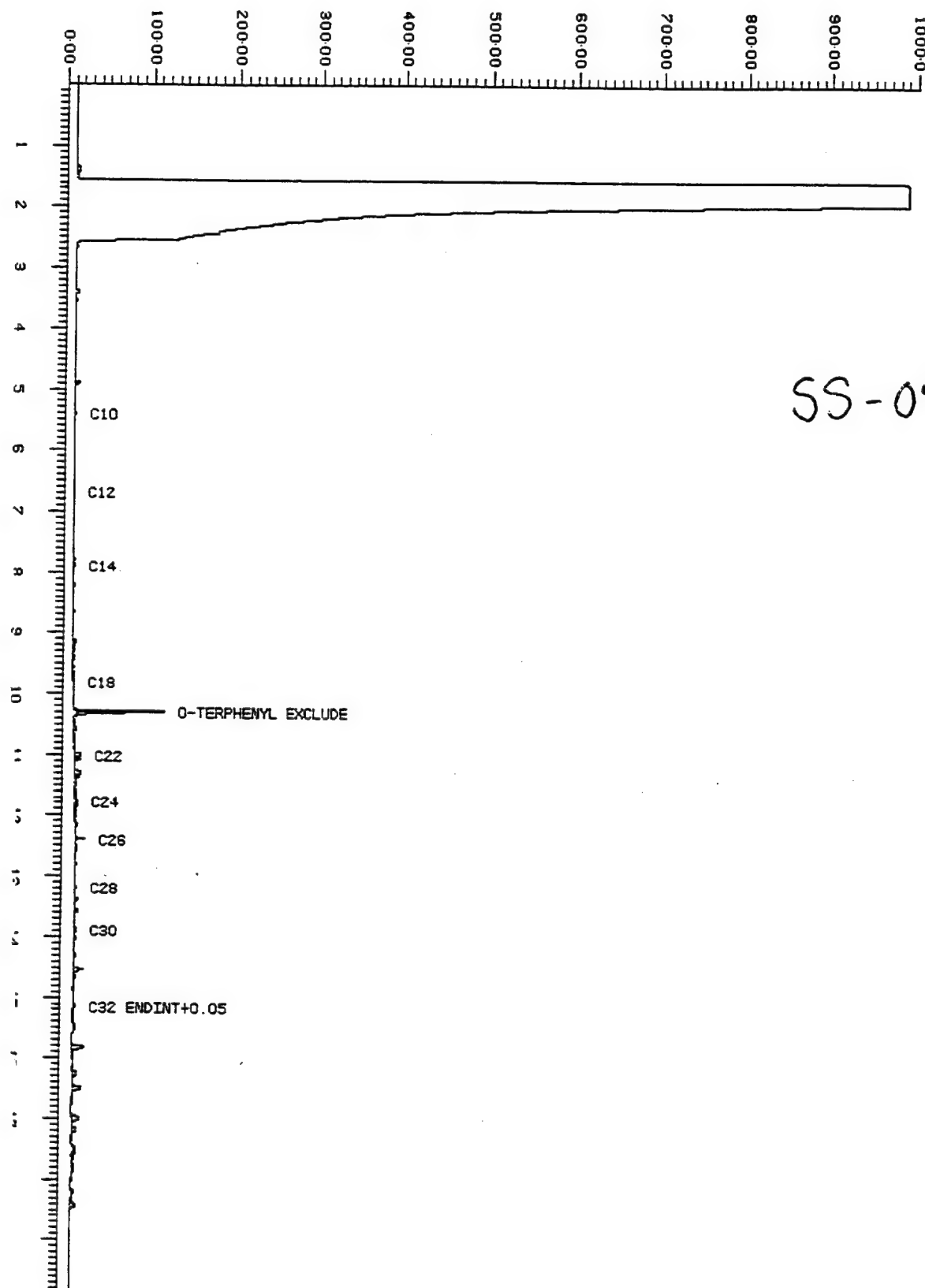
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reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*P-12/10*



SS-09-01

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52678-10

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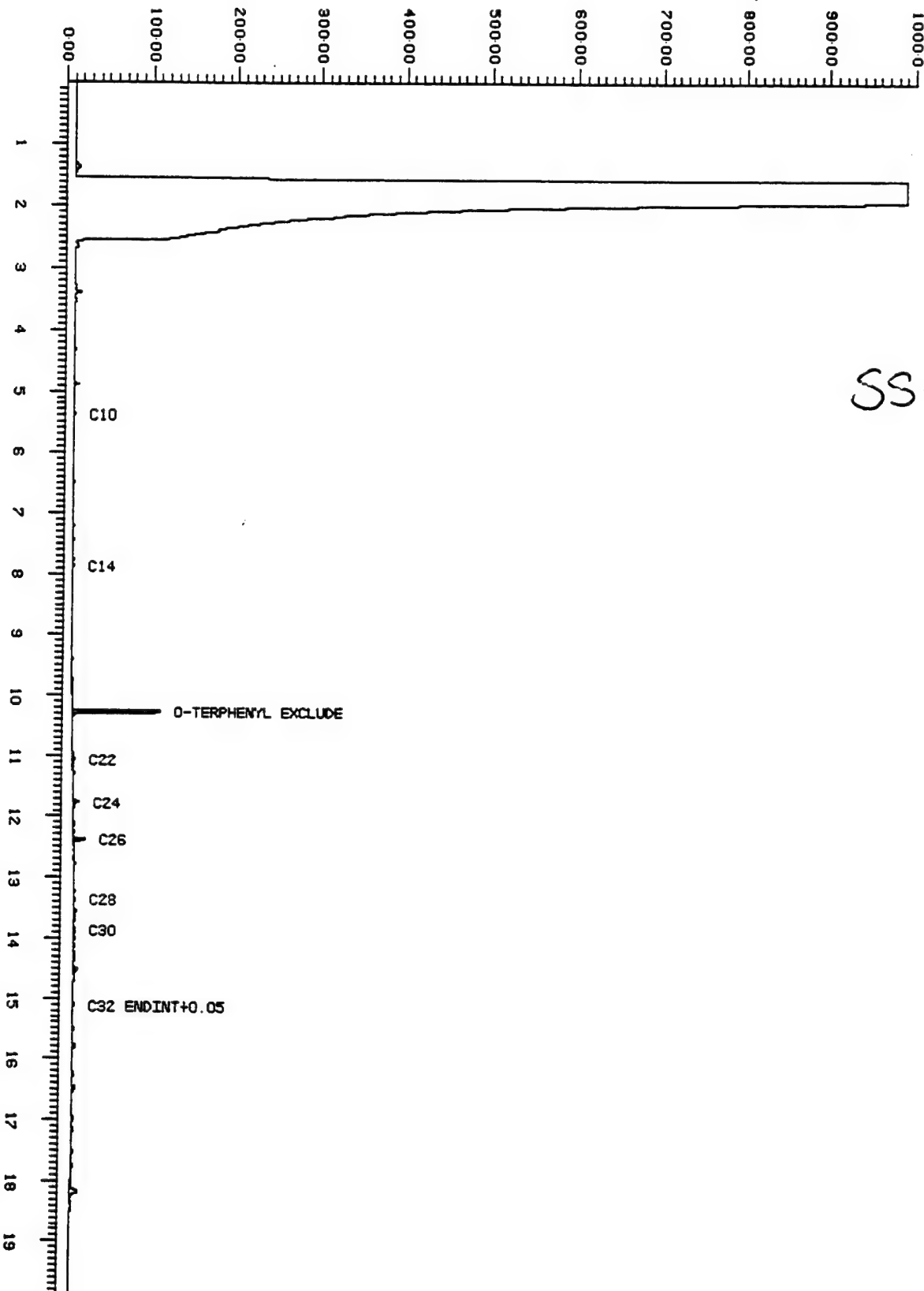
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Box 1 (of 1)

*Be 12/10*



SS-WW-01

Quanterra Denver Multichrom V2.1

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12678-09

T=SA.

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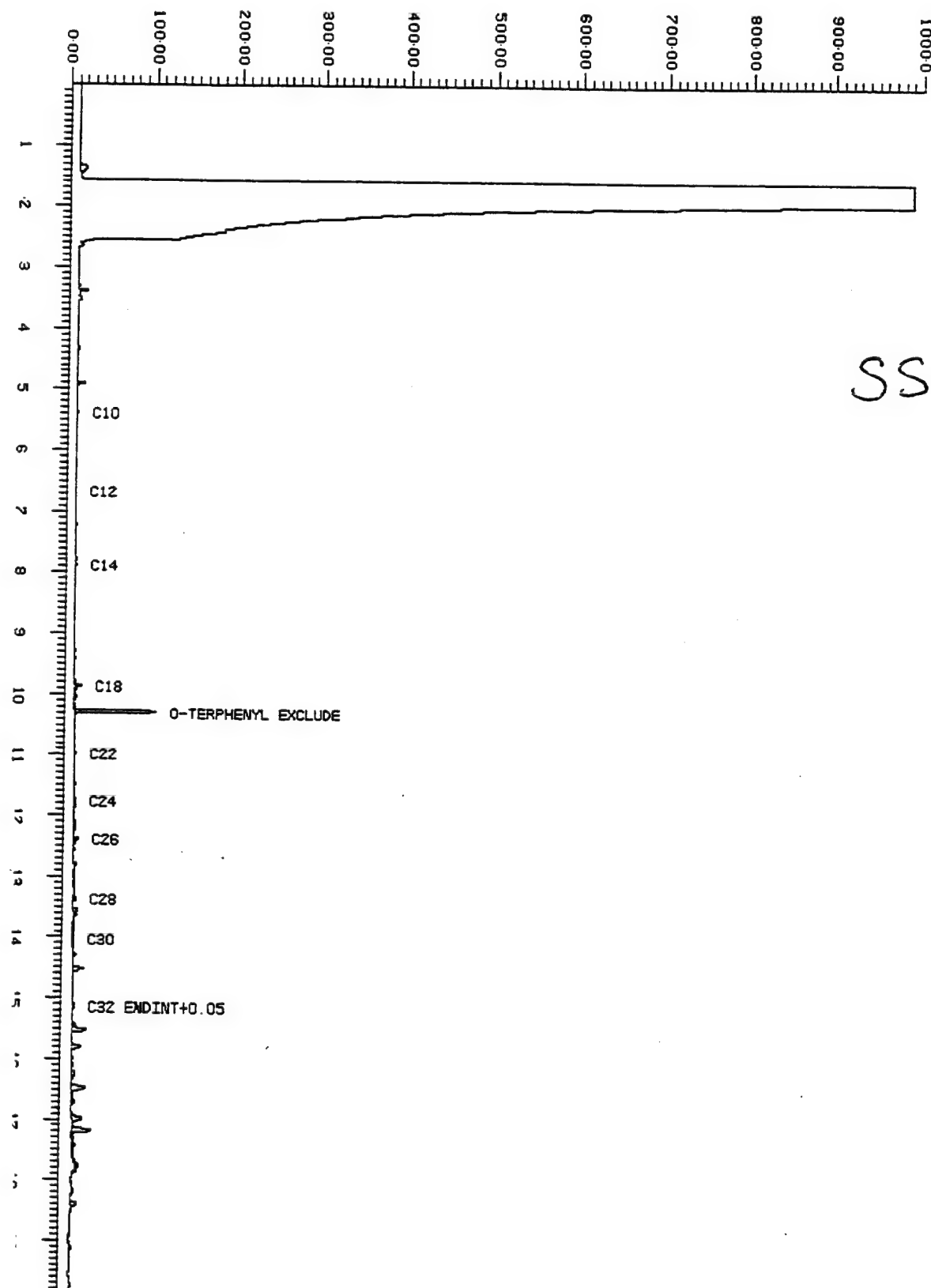
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Box 1 (of 1)

*Be rko*



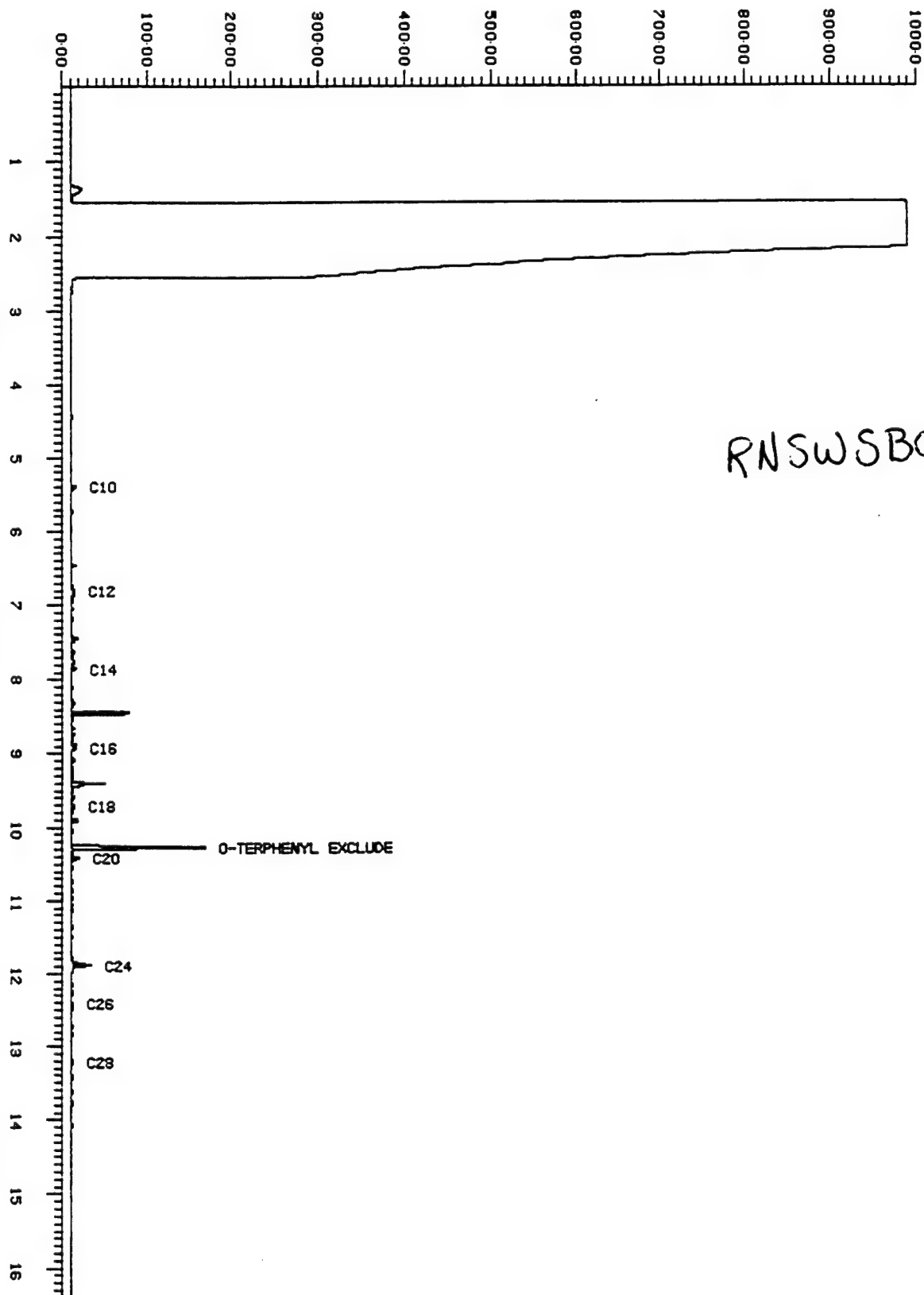
SS-CW-01



Quanterra Denver Multichrom V2.1

[FID11\_4] 75 Z26NOV96,9,1

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Reported on 26-NOV-1996 at 13:04  
Box 1 (of 1)



RNSWSB02

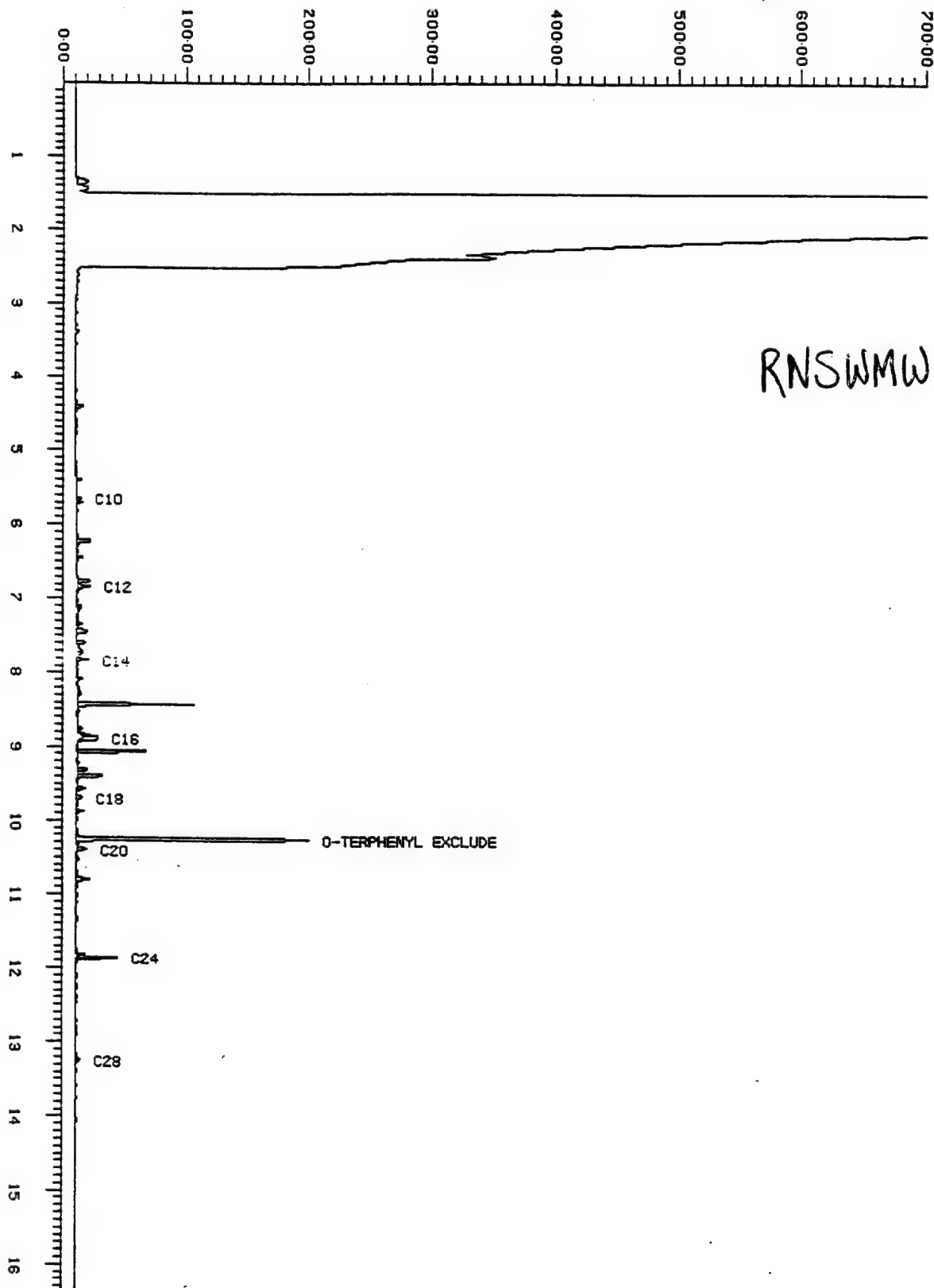
AD  
11/27

Quanterra Denver Multichrom V2.1

[FID12\_2] 75 Z10DEC96,15,1

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Box 1 (of 1)

*β-  
12/11*

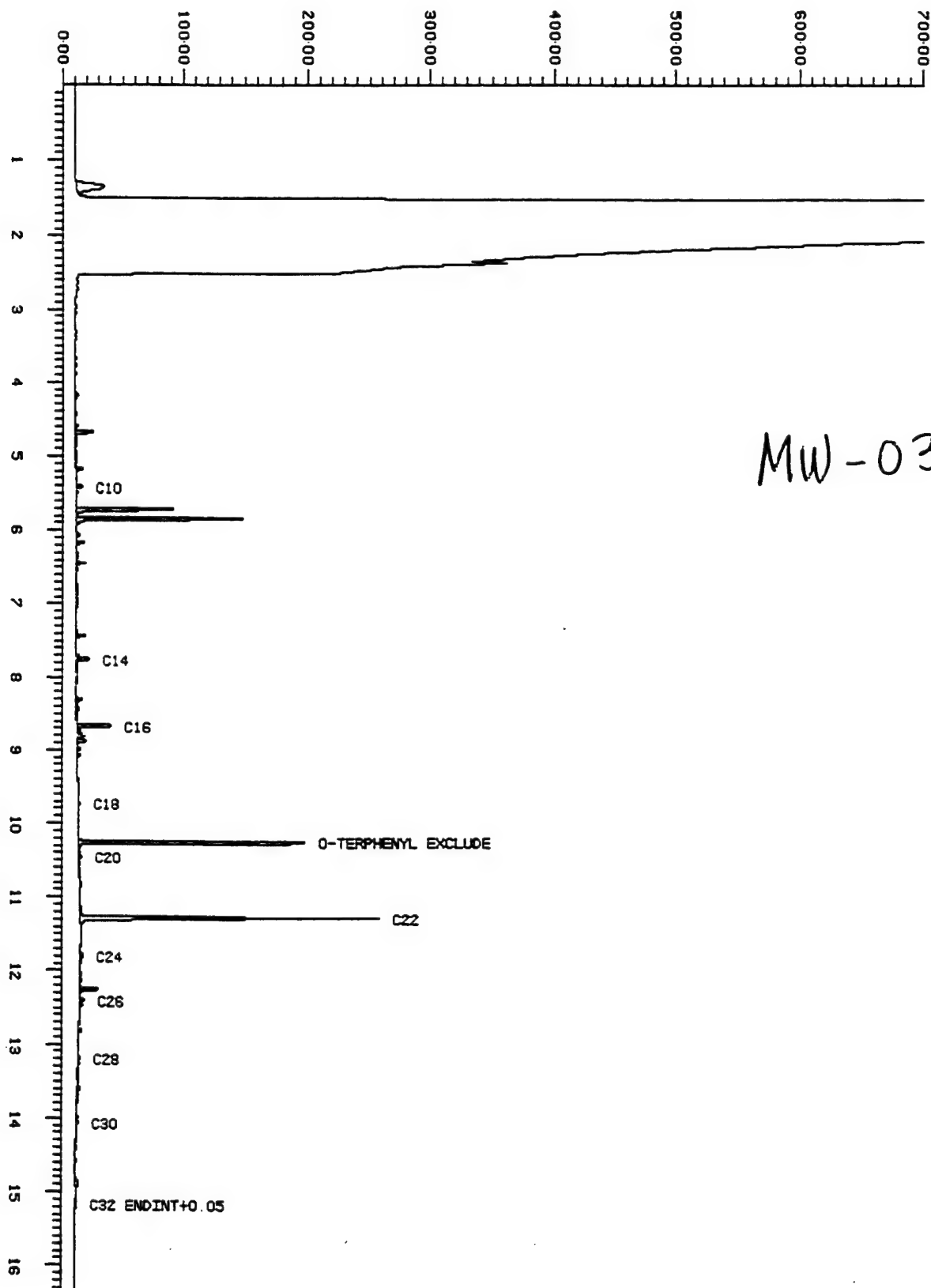


RNSWMW02

Quanterra Denver Multichrom V2.1

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Reported on 10-DEC-1996 at 17:10  
Box 1 (of 1)



MW-03-02

**USAEC/IRDMIS ANALYTICAL RESULTS**

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**ABB Environmental Services, Inc.**

**IRDMIS DATA-FINAL DOCUMENTATION REPORTS**

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**ABB Environmental Services, Inc.**

**SURFACE SOIL**

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL      | 52678-11      | DR0 /S       | 7439-92-1 | Diesel range organics                                       | 18.6       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GPB1/S       |           | Lead  | 32         | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Gasoline range organics                                     |            | UGG V                |            |                |
|           |          |                  |       |             |         |               | GSE1/S       | 7782-49-2 | Selenium  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7440-28-0 | Thallium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7439-97-6 | Mercury   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7440-36-0 | Antimony  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Arsenic   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Beryllium   | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Cadmium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Aluminum  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Iron  | 21800      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Magnesium   | 27900      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Manganese   | 22500      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-02-0 | Nickel  | 980        | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-09-7 | Potassium   | 35.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-22-4 | Silver  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-23-5 | Sodium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium  | 154        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt  | 28.3       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper  | 18.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | 56.3       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | 71.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 63.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               | SMV2/S       | 100-01-6  | 4-Nitroaniline  | 1.02 E 5   | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO

10:31:44

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|-----------|------------|------------|----------------|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL 52678-11   |     | SMV2/S       | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 1610-18-0 | 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato* | .15        | UGG VS    |            |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9  | Chrysene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 593-45-3  | Octadecane  | .21        | UGG VS    |            |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1   | Hexachloroethane  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1   | Isophorone  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9   | Acenaphthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2   | Diethyl phthalate   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2   | Di-n-butyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8   | Phenanthrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7   | Butylbenzyl phthalate                                       | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7   | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8   | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5   | Pentachlorophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2   | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4   | 2-Nitroaniline  | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5   | 2-Nitrophenol   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3   | Naphthalene / Tar camphor                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6   | 2-Methylnaphthalene   | LT .33     | UGG V     |            |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix   | CAS No.  | Analyte Description   | Me Bo Conc   | Unit Flag Meas Codes   | Data Quals   | EPA Data Quals   |
|-----------|----------|------------------|-------|-------------|---------------|----------|--|--|---|--|--|--|--|
| PLUG      | SS-09-01 | S090101X         | 1.0   | 19-NOV-96   | RL            | 52678-11 | SMV2/S   | 91-58-7<br>91-94-1<br>95-48-7<br>95-50-1<br>95-57-8<br>95-95-4<br>98-95-3  | 2-Chloronaphthalene<br>3,3'-Dichlorobenzidine<br>o-Cresol / 2-Cresol / 2-Methylphenol<br>1,2-Dichlorobenzene<br>2-Chlorophenol<br>2,4,5-Trichlorophenol<br>Nitrobenzene / Essence of mirbane / Oil of mirbane   | LT .33<br>LT .8<br>LT .33<br>LT .33<br>LT .33<br>LT .8<br>LT .33   | UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V  | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----  | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----  |
|           |          |                  |       |             |               |          |  | 99-09-2  | 3-Nitroaniline<br>4-Bromophenyl phenyl ether<br>4-Chlorophenyl phenyl ether<br>Unknown compound 539<br>Unknown compound 551<br>Unknown compound 591<br>Unknown compound 605   | LT .8<br>LT .33<br>LT .33<br>6<br>.1<br>.1<br>.1   | UGG V<br>UGG V<br>UGG V<br>UGG VB<br>UGG V<br>UGG V<br>UGG V   | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----  | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----  |
|           |          |                  |       |             |               |          |  |  | Unknown compound 606<br>Unknown compound 613<br>Unknown compound 614<br>Unknown compound 615<br>Unknown compound 623<br>Unknown compound 630<br>Unknown compound 637<br>Unknown compound 640<br>Unknown compound 647<br>Unknown compound 658<br>Unknown compound 659<br>Unknown compound 663<br>Diesel range organics<br>Lead | .3<br>.2<br>.3<br>.5<br>.4<br>.1<br>1<br>9 E -2<br>.2<br>9 E -2<br>.2<br>.2<br>6.74<br>3.23                      | UGG VD<br>UGG VB<br>UGG V<br>UGG VB<br>UGG VB<br>UGG VB<br>UGG VB<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>----- | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>----- |
|           |          |                  |       |             |               |          |  | 7439-92-1  | Gasoline range organics<br>Selenium<br>Thallium<br>Mercury<br>Antimony<br>Arsenic<br>Beryllium<br>Cadmium<br>Aluminum<br>Iron<br>Magnesium<br>Manganese<br>Nickel<br>Potassium  | LT .5<br>LT 1<br>LT 2<br>LT .2<br>LT 1<br>LT 5<br>LT 1<br>LT 1<br>27300<br>36100<br>24500<br>585<br>42.2<br>1390 | UGG BV<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG V<br>UGG VB<br>UGG VB<br>UGG V<br>UGG V<br>UGG V    | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>----- | -----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>-----<br>----- |
| SS-09-02  | S090201X |                  | 1.0   | 19-NOV-96   | RL            | 52678-12 | DRO /S<br>GPB1/S<br>GRO /S<br>GSE1/S<br>GTL1/S<br>HGC1/S<br>ICM1/S | 7439-92-1<br>7782-49-2<br>7440-28-0<br>7439-97-6<br>7440-36-0<br>7440-38-2<br>7440-41-7<br>7440-43-9<br>7429-90-5<br>7439-89-6<br>7439-95-4<br>7439-96-5<br>7440-02-0<br>7440-09-7 |   |  |  |  |  |

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL      | 52678-12      | ICP1/S       | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-23-5 | Sodium  | 6120       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium  | 159        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium  | 41.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt  | 21.1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper  | 68.5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | 129        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | 54.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 57800      | UGG V                |            |                |
|           |          |                  |       |             |         |               | SHV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-c,D]pyrene                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,6-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene           | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol         | LT 1       | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL 52678-12   | SMV2/S           | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 539  | 6          | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 551  | 9 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 606  | 9 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 614  | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 615  | .4         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 623  | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |          | Unknown compound 637  | .3         | UGG VBD              |            |                |
|           |          |                  |       |             |               |                  |          |   | .8         | UGG VB               |            |                |

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|--------------------------------------|------------|----------------------|------------|----------------|
| PLUG      | SS-09-02 | S090201X         | 1.0   | 19-NOV-96   | RL 52678-12   |     | SHV2/S       |           | Unknown compound 660                 | 1          | UGG V                |            |                |
|           | SS-LE-01 | SLE0101X         | 1.0   | 19-NOV-96   | RL 52678-07   |     | DR0 /S       |           | Diesel range organics                | 8.95       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GPB1/S       | 7439-92-1 | Lead                                 | 79         | UGG BV               |            |                |
|           |          |                  |       |             |               |     | GR0 /S       |           | Gasoline range organics              | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     | GSE1/S       | 7782-49-2 | Selenium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GTL1/S       | 7440-28-0 | Thallium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | HGC1/S       | 7439-97-6 | Mercury                              | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICM1/S       | 7440-36-0 | Antimony                             | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Arsenic                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Beryllium                            | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICP1/S       | 7440-43-9 | Aluminum                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7429-90-5 | Iron                                 | 4200       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-89-6 | Magnesium                            | 6800       | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Manganese                            | 11000      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Nickel                               | 230        | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Potassium                            | LT 16      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Silver                               | LT 2000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Sodium                               | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-23-5 | Barium                               | LT 2000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-39-3 | Chromium                             | LT 80      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-47-3 | Cobalt                               | LT 6       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-48-4 | Copper                               | LT 20      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-50-8 | Vanadium                             | LT 10      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-62-2 | Zinc                                 | LT 20      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-66-6 | Calcium                              | 140        | UGG V                |            |                |
|           |          |                  |       |             |               |     | SHV2/S       | 7440-70-2 | 4-Nitroaniline                       | 3.6 E 5    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-01-6  | 4-Nitrophenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 2,4-Dimethylphenol                   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | 1,4-Dichlorobenzene                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 4-Chloroaniline                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | / Phenyllic acid / Phe*              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene                   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-01 | SLE0101X         | 1.0   | 19-NOV-96   | RL 52678-07   |     | SMV2/S       | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Fluoranthene                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 72-54-8  | ppDDD / 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane / Rhoth* | .19        | UGG VS               |            |                |
|           |          |                  |       |             |               |     |              | 72-55-9  | 2,2-Bis(p-chlorophenyl)-1,1-dichloroethene                  | .55        | UGG VS               |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL            | 52678-08 | ICP1/S       | 7440-50-8 | Copper  | 83.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 36.4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 697        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 1.98 E 5   | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carbolic acid / Phenic acid                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | / Phenyllic acid / Phe*                                     |            |                      |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzoldef]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 573-98-8  | 1,2-Dimethylnaphthalene                                     | .15        | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|----------|--|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL  | 52678-08      | SHV2/S       | 606-20-2 | 2,6-Dinitrotoluene                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 67-72-1  | Hexachloroethane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 77-47-4  | Hexachlorocyclopentadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 78-50-1  | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 83-32-9  | Acenaphthene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-66-2  | Diethyl phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-74-2  | Di-n-butyl phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-01-8  | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-68-7  | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-30-6  | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-73-7  | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-74-8  | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-86-5  | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-06-2  | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-74-4  | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-75-5  | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-20-3  | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-57-6  | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-58-7  | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-94-1  | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-50-1  | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-57-8  | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-95-4  | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 99-09-2  | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 539                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 551                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 594                               | 7 E -2     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 606                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 615                               | .5         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 618                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 623                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 630                               | .3         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 637                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 659                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |          |  | .2         | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|--|------------|----------------------|------------|----------------|
| PLUG      | SS-LE-02 | SLE0201X         | 1.0   | 19-NOV-96   | RL            | 52678-08 | SMV2/S       | 7439-92-1 | Unknown compound 663                                       | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Unknown compound 668                                       | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Diesel range organics                                      | 1260       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Lead   | 25         | UGG BV               |            |                |
|           |          |                  |       |             |               |          |              |           | Gasoline range organics                                    | 10.6       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Antimony   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Arsenic  | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Beryllium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Cadmium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Aluminum   | 15300      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |           | Iron   | 23500      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |           | Magnesium  | 11500      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Manganese  | 698        | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |           | Nickel   | 25.4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Potassium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Silver   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Sodium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Barium   | 66.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Chromium   | 20         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Cobalt   | 13.1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Copper   | 34.1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Vanadium   | 72         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Zinc   | 67.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | Calcium  | 74200      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline   | LT 3       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol  | LT 3       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                       | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                               | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylac acid / Phe* | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 112-95-8  | Eicosane   | 5          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate                                       | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                     | LT 1       | UGG V                |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-W9-01 | SM90101X         | 1.0   | 19-NOV-96   | RL            | 52678-13 | SMV2/S       | 120-83-2  | 2,4-Dichlorophenol  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 1921-70-6 | 2,6,10,14-Tetramethylpentadecane                            | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 3       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1  | 1,3-Dichlorobenzene   | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 544-76-3  | Hexadecane  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3   | Benzo[a]anthracene  | 10         | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 593-45-3  | Octadecane  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2  | 2,6-Dinitrotoluene  | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | 5          | UGG VSD              |            |                |
|           |          |                  |       |             |               |          |              | 629-50-5  | Tridecane   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 629-59-4  | Tetradecane   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 629-78-7  | Heptadecane   | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 629-92-5  | Nonadecane  | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 629-94-7  | Heneicosane   | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 638-67-5  | Tricosane / n-Tricosane                                     | 5          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1   | Hexachloroethane  | 9          | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1   | Isophorone  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9   | Acenaphthene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2   | Diethyl phthalate   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2   | Di-n-butyl phthalate  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8   | Phenanthrene  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7   | Butylbenzyl phthalate                                       | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT 1       | UGG V                |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Meth/ Matrix | CAS No.   | Analyte Description                            | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|--------------|-----------|--|------------|-----------|------------|------------|----------------|
| PLUG      | SS-M9-01 | SN90101X         | 1.0   | 19-NOV-96   | RL  | 52678-13     | SMV2/S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | 86-73-7   | Fluorene / 9H-Fluorene                         | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 86-74-8   | Carbazole / 9H-Carbazole                       | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 87-86-5   | Pentachlorophenol                              | LT 3       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 88-06-2   | 2,4,6-Trichlorophenol                          | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 88-74-4   | 2-Nitroaniline                                 | LT 3       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 88-75-5   | 2-Nitrophenol                                  | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 91-20-3   | Naphthalene / Tar camphor                      | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 91-57-6   | 2-Methylnaphthalene                            | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 91-58-7   | 2-Chloronaphthalene                            | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 91-94-1   | 3,3'-Dichlorobenzidine                         | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol           | LT 3       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 95-50-1   | 1,2-Dichlorobenzene                            | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 95-57-8   | 2-Chlorophenol                                 | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 95-57-8   | 2,4,5-Trichlorophenol                          | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 95-95-4   | Nitrobenzene / Essence of mirbane              | LT 3       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 98-95-3   | Oil of mirbane                                 | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 99-09-2   | 3-Nitroaniline                                 | LT 3       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | 4-Bromophenyl phenyl ether                     | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | 4-Chlorophenyl phenyl ether                    | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 539                           | 4          | UGG       | VB         |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 563                           | 5          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 564                           | 3          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 566                           | 3          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 567                           | 4          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 574                           | 5          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 580                           | 2          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 586                           | .6         | UGG       | VBD        |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 592                           | 3          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 596                           | 1          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 603                           | 1          | UGG       | V          |            |                |
|           |          |                  |       |             |     |              |           | Unknown compound 623                           | 1          | UGG       | VB         |            |                |
|           |          |                  |       |             |     |              |           | Diesel range organics                          | 1          | UGG       | VBD        |            |                |
|           |          |                  |       |             |     |              |           | Lead   | 16         | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7439-92-1 | Gasoline range organics                        | 22.6       | UGG       | BV         |            |                |
|           |          |                  |       |             |     |              |           | Selenium                                       | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7782-49-2 | Thallium                                       | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7440-28-0 | Mercury  | LT 2       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7439-97-6 | Antimony                                       | LT .2      | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7440-36-0 | Arsenic  | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7440-38-2 | Beryllium                                      | LT 5       | UGG       | V          |            |                |
|           |          |                  |       |             |     |              | 7440-41-7 |  | LT 1       | UGG       | V          |            |                |
| SS-MW-01  |          | SMW0102X         | 2.0   | 19-NOV-96   | RL  | 52678-10     | DRO /S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | GPB1/S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | GRO /S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | GSE1/S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | GTL1/S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | HGC1/S    |  |            |           |            |            |                |
|           |          |                  |       |             |     |              | ICM1/S    |  |            |           |            |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation : Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-MW-01 | SMW0102X         | 2.0   | 19-NOV-96   | RL 52678-10   |     | SNV2/S       | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 539  | 6          | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:31:44

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo | Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|--------------|---------|----------------------|-------|------|----------------------|------------|----------------|
| PLUG      | SS-WW-01 | SWM0102X         | 2.0   | 19-NOV-96   | RL            | 52678-10     | SHW2/S  | Unknown compound 551 | .1    |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 606 | .2    |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 614 | .3    |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 615 | .5    |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 623 | 7     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 630 | .3    |      | UGG VBD              |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 637 | .1    |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 640 | 2     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 660 | 9     | E -2 | UGG V                |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 671 | 1     |      | UGG V                |            |                |
|           |          |                  |       |             |               |              |         |                      | .2    |      | UGG V                |            |                |

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|-----------|--------------------------------------|------------|-----------|------------|------------|----------------|
| BORE      | SB-08-01 | 8080112X         | 12.0  | 19-NOV-96   | RL  | 52678-01      | DRO /S       | 7439-92-1 | Diesel range organics                | LT 4       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | GRO /S       | 7439-92-1 | Lead                                 | 2.55       | UGG       | BV         | ---        | ---            |
|           |          |                  |       |             |     |               | GSE1/S       | 7782-49-2 | Gasoline range organics              | LT .5      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | GTL1/S       | 7440-28-0 | Selenium                             | LT 1       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | HGC1/S       | 7439-97-6 | Thallium                             | LT 2       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | ICM1/S       | 7440-36-0 | Mercury                              | LT .2      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-38-2 | Antimony                             | LT .2      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-41-7 | Arsenic                              | 2.57       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-43-9 | Beryllium                            | .316       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | ICP1/S       | 7429-90-5 | Cadmium                              | LT .2      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7429-90-5 | Aluminum                             | 25400      | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7439-89-6 | Iron                                 | 24300      | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7439-95-4 | Magnesium                            | 51000      | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7439-96-5 | Manganese                            | 47100      | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-02-0 | Nickel                               | 17500      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-09-7 | Potassium                            | 18200      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-22-4 | Silver                               | 957        | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-23-5 | Sodium                               | 973        | UGG       | VB         | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-39-3 | Barium                               | 34.7       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-47-3 | Chromium                             | 1580       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-48-4 | Cobalt                               | 1350       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-50-8 | Copper                               | 196        | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-62-2 | Vanadium                             | 62.8       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-66-6 | Zinc                                 | 24.4       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 7440-70-2 | Calcium                              | 251        | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               | SMV2/S       | 100-01-6  | 4-Nitroaniline                       | 48.5       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 100-02-7  | 4-Nitrophenol                        | 192        | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 105-67-9  | 2,4-Dimethylphenol                   | 69.8       | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol | 14000      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 106-46-7  | 1,4-Dichlorobenzene                  | 31300      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 106-47-8  | 4-Chloroaniline                      | LT .8      | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether         | LT .33     | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG       | V          | ---        | ---            |
|           |          |                  |       |             |     |               |              |           | / Phenylc acid / Phe*                | LT .33     | UGG       | V          | ---        | ---            |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | 8080112X         | 12.0  | 19-NOV-96   | RL      | 52678-01      | SMV2/S       | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0 | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1 | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7 | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  |   |            | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | B080112X         | 12.0  | 19-NOV-96   | RL 52678-01   |     | SMV2/S       | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5   | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2   | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4   | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5   | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3   | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6   | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 537                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 539                               | 6          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 614                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 615                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 623                               | 4          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 637                               | .2         | UGG VBD              |            |                |
| SB-08-02  |          | B080212X         | 12.0  | 19-NOV-96   | RL 52678-02   |     | DRO /S       |           | Unknown compound 637                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |     | GPB1/S       | 7439-92-1 | Diesel range organics                              | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GRO /S       |           | Lead   | 2.13       | UGG BV               |            |                |
|           |          |                  |       |             |               |     | GSE1/S       |           | Gasoline range organics                            | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     | GTL1/S       | 7782-49-2 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | HGC1/S       | 7440-28-0 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICM1/S       | 7439-97-6 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-36-0 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Arsenic  | 2.32       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Beryllium  | .428       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Cadmium  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICP1/S       | 7429-90-5 | Aluminum   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-89-6 | Iron   | 24300      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Magnesium  | 40700      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Manganese  | 17800      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Nickel   | 1410       | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Potassium  | 45.7       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Silver   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           |  | LT 2       | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | S8-06-02 | 8080212X         | 12.0  | 19-NOV-96   | RL            | 52678-02 | ICP1/S       | 7440-23-5 | Sodium  | 4500       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | 169        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | 48.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | 26.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | 56.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 131        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 67.7       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 13600      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|----------|---|------------|-----------|------------|------------|----------------|
| BORE      | SB-08-02 | B080212X         | 12.0  | 19-NOV-96   | RL  | 52678-02      | SMW2/S       | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 78-59-1  | Isophorone  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 85-01-8  | Phenanthrene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 539  | 6          | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 548  | .1         | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 549  | 9 E -2     | UGG       | V          |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 551  | 9 E -2     | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 606  | .1         | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 614  | .1         | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 615  | .4         | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          | Unknown compound 623  | 6          | UGG       | VB         |            |                |
|           |          |                  |       |             |     |               |              |          |   | .4         | UGG       | V8D        |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-08-02 | B080212X         | 12.0  | 19-NOV-96   | RL            | 52678-02 | SHV2/S       | 7439-92-1 | Unknown compound 637  | 1          | UGG VB               |            |                |
| SB-09-01  | B090112X |                  | 12.0  | 18-NOV-96   | RL            | 52678-14 | GP81/S       |           | Diesel range organics                                       | 6.71       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GRO /S       |           | Lead  | 2.92       | UGG BV               |            |                |
|           |          |                  |       |             |               |          | GSE1/S       | 7782-49-2 | Gasoline range organics                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          | GTL1/S       | 7440-28-0 | Selenium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | HGC1/S       | 7439-97-6 | Thallium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICM1/S       | 7440-36-0 | Mercury   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Antimony  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Arsenic   | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Beryllium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICP1/S       | 7429-90-5 | Cadmium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Aluminum  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Iron  | 25200      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Magnesium   | 33800      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Manganese   | 20600      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Nickel  | 846        | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Potassium   | 31.4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Silver  | 1660       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Sodium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Barium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Chromium  | 132        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Cobalt  | 36.6       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Copper  | 24.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Vanadium  | 55.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Zinc  | 114        | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       |           | Calcium   | 58.5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-01-6  | 4-Nitroaniline  | 23200      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyltic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | .46        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-01 | 8090112X         | 12.0  | 18-NOV-96   | RL  | 52678-14      | SNV2/S       | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 1610-18-0 | 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato* | .32        | UGG VS               |            |                |
|           |          |                  |       |             |     |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 67-72-1   | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 78-59-1   | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 83-32-9   | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-66-2   | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-74-2   | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-01-8   | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-68-7   | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-73-7   | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-74-8   | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-86-5   | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-06-2   | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-74-4   | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-75-5   | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-20-3   | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-57-6   | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag | Data Meas | EPA Data |
|-----------|----------|------------------|-------|-------------|---------|-----------|--------------|-----------|---|------------|-----------|-----------|----------|
|           |          |                  |       |             |         |           |              |           |   |            |           |           |          |
| BORE      | SB-09-02 | B090212X         | 12.0  | 18-NOV-96   | RL      | 52678-15  | ICP1/S       | 7440-62-2 | Vanadium  | 95.4       | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 7440-66-6 | Zinc  | 51.9       | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 7440-70-2 | Calcium   | 89500      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 108-95-2  | Phenol / Carboic acid / Phenic acid                         | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              |           | / Phenylc acid / Phe*                                       | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | .58        | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 120-12-7  | Anthracene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 191-24-2  | Benzo[ghi]perylene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .6      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .5      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              |           | Fluoranthene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 206-44-0  | Fluoranthene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 218-01-9  | Chrysene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG       | V         |          |
|           |          |                  |       |             |         |           |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG       | V         |          |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | B090212X         | 12.0  | 18-NOV-96   | RL            | 52678-15 | SNV2/S       | 67-72-1 | Hexachloroethane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4 | Hexachlorocyclopentadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1 | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9 | Acenaphthene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2 | Diethyl phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2 | Di-n-butyl phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8 | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7 | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6 | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7 | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8 | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3 | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5 | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2 | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3 | Mitrobenzene / Essence of mirbane / Oil of mirbane | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2 | 3-Nitroaniline                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 537                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 539                               | 10         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 544                               | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 547                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 549                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 551                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 596                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 606                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 614                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 615                               | .3         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 623                               | .8         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         |  | 8          | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         |  | .4         | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | 8090212X         | 12.0  | 18-NOV-96   | RL            | 52678-15 | SMV2/S       | 7439-92-1 | Unknown compound 637   | 2          | UGG VB               |            |                |
| BORE      | SB-09-03 | 8090312X         | 12.0  | 18-NOV-96   | RL            | 52678-05 | DRO /S       |           | Diesel range organics  | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GPB1/S       |           | Lead   | 2.55       | UGG BV               |            |                |
|           |          |                  |       |             |               |          | GRO /S       |           | Gasoline range organics                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          | GSE1/S       | 7782-49-2 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GTL1/S       | 7440-28-0 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          | HGC1/S       | 7439-97-6 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICM1/S       | 7440-36-0 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Arsenic  | 2.4        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Beryllium  | .391       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Cadmium  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7429-90-5 | Aluminum   | 23700      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Iron   | 37100      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Magnesium  | 18500      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Manganese  | 614        | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Nickel   | 38         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium   | 156        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium   | 46.5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt   | 22.1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper   | 55.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium   | 124        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc   | 58.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium  | 27000      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carbotic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Lab   | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag | Data  | EPA Data |
|-----------|----------|------------------|-------|-------------|---------|---------------|-------|--------------|----------|---|------------|-----------|-------|----------|
| -----     | ----     | -----            | ----- | -----       | -----   | -----         | ----- | -----        | -----    | -----   | -----      | -----     | ----- | -----    |
| BORE      | SB-09-03 | 8090312X         | 12.0  | 18-NOV-96   | RL      | 52678-05      |       | SMW2/S       | 129-00-0 | Benzo[def]phenanthrene / Pyrene   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 193-39-5 | Indeno[1,2,3-c,d]pyrene   | LT .5      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene                           | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 218-01-9 | Chrysene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene                         | LT .6      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 1       | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup> | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 621-64-7 | N-Nitrosodl-n-propylamine   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 67-72-1  | Hexachloroethene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 77-47-4  | Hexachlorocyclopentadiene   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 78-59-1  | Isophorone  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 85-68-7  | Butylbenzyl phthalate   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 86-30-6  | N-Nitrosodiphenylamine  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 91-20-3  | Naphthalene / Tar camphor   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V     |       |          |
|           |          |                  |       |             |         |               |       |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT .8      | UGG V     |       |          |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID            | Field Sample No. | Depth     | Sample Date | Lab      | Lab Anly. No. | Meth/ Matrix | CAS No.                 | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|--------------------|------------------|-----------|-------------|----------|---------------|--------------|-------------------------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-03           | B090312X         | 12.0      | 18-NOV-96   | RL       | 52678-05      | SMV2/S       | 95-48-7                 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              | 95-50-1                 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              | 95-57-8                 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              | 95-95-4                 | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              | 98-95-3                 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              | 99-09-2                 | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              |                         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              |                         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              |                         | Unknown compound 537                               | 9 E -2     | UGG V                |            |                |
|           |                    |                  |           |             |          |               |              |                         | Unknown compound 539                               | 6          | UGG VB               |            |                |
|           |                    |                  |           |             |          |               |              |                         | Unknown compound 614                               | .1         | UGG VB               |            |                |
|           |                    |                  |           |             |          |               |              |                         | Unknown compound 615                               | .4         | UGG VB               |            |                |
| SB-09-04  | B090412X           | 12.0             | 18-NOV-96 | RL          | 52678-06 | DRO /S        | GPB1/S       | Unknown compound 637    | 1  | UGG VBD    |                      |            |                |
|           |                    |                  |           |             |          |               | GRO /S       | Diesel range organics   | LT 4   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               | GSE1/S       | Lead                    | 2.37   | UGG BV     |                      |            |                |
|           |                    |                  |           |             |          |               | GTL1/S       | Gasoline range organics | LT .5  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               | HGC1/S       | Selenium                | LT 1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               | ICM1/S       | Thallium                | LT 2   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Mercury                 | LT .2  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Antimony                | LT 1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Arsenic                 | LT 5   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Beryllium               | LT 1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Cadmium                 | LT 1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Aluminum                | LT 1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Iron                    | 29300  | UGG VB     |                      |            |                |
|           |                    |                  |           |             |          |               |              | Magnesium               | 44300  | UGG VB     |                      |            |                |
|           |                    |                  |           |             |          |               |              | Manganese               | 16700  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Nickel                  | 1880   | UGG VB     |                      |            |                |
|           |                    |                  |           |             |          |               |              | Potassium               | 23.3   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Silver                  | LT 1000  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Sodium                  | LT 2   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Barium                  | LT 1000  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Chromium                | 401  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Cobalt                  | 31.5   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Copper                  | 26.2   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Vanadium                | 49.4   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Zinc                    | 162  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | Calcium                 | 61.1   | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | 4-Nitroaniline          | 42900  | UGG V      |                      |            |                |
|           |                    |                  |           |             |          |               |              | 4-Nitrophenol           | LT .8  | UGG V      |                      |            |                |
|           | 2,4-Dimethylphenol | LT .33           | UGG V     |             |          |               |              |                         |  |            |                      |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSD  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-04 | B090412X         | 12.0  | 18-NOV-96   | RL      | 52678-06      | SMV2/S       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 106-46-7 | 1,4-Dichlorobenzene   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 106-47-8 | 4-Chloroaniline   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 108-95-2 | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 117-84-0 | Di-n-octyl phthalate  | LT .5      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 118-74-1 | Hexachlorobenzene   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 120-12-7 | Anthracene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT .6      | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                | ---        | ---            |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                | ---        | ---            |

\* - Analyte Description has been truncated. See Data Dictionary

**Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)**

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix   | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-04 | B090412X         | 12.0  | 18-NOV-96   | RL            | 52678-06 | SHV2/S   | 85-01-8   | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 85-68-7   | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 86-30-6   | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 86-73-7   | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 86-74-8   | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 87-86-5   | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 88-06-2   | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 88-74-4   | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 88-75-5   | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 91-20-3   | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 91-57-6   | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
| SB-M9-01  | BM90112X | 8M90112X         | 12.0  | 19-NOV-96   | RL            | 52678-03 | DRO /S<br>GPB1/S<br>GRO /S<br>GSE1/S<br>GTL1/S<br>HGC1/S<br>ICM1/S<br><br>ICP1/S | 7439-92-1 | Diesel range organics                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  |           | Lead   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |  |           | Gasoline range organics                            | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7782-49-2 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7440-28-0 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7439-97-6 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7440-36-0 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7440-38-2 | Arsenic  | 1.54       | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7440-41-7 | Beryllium  | .437       | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7440-43-9 | Cadmium  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7429-90-5 | Aluminum   | 35700      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |  | 7439-89-6 | Iron   | 46500      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |  | 7439-95-4 | Magnesium  | 20400      | UGG V                |            |                |
|           |          |                  |       |             |               |          |  | 7439-96-5 | Manganese  | 961        | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-M9-01 | BM90112X         | 12.0  | 19-NOV-96   | RL            | 52678-03 | ICP1/S       | 7440-02-0 | Nickel  | 33.7       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium   | 3190       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium  | 4520       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | 95         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | 49.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | 20.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | 63         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 148        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 68.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 38200      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|----------|---|------------|----------------------|------------|----------------|
| 30RE      | SB-W9-01 | BM90112X         | 12.0  | 19-NOV-96   | RL 52678-03   |     | SMV2/S       | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 56-55-3  | Benzo(a)anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2  | 3-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 537  | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 539  | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 551  | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 606  | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 614  | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |          | Unknown compound 615  | .6         | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description                  | Me Bo Conc | Unit Flag Mess Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|---------|--------------------------------------|------------|----------------------|------------|----------------|
| BORE      | SB-M9-01 | BH90112X         | 12.0  | 19-NOV-96   | RL      | 52678-03      | SMV2/S       |         | Unknown compound 623                 | 9          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 630                 | .5         | UGG VBD              |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 637                 | 9 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Unknown compound 664                 | 1          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Diesel range organics                | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Lead                                 | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Gasoline range organics              | 2.45       | UGG BV               |            |                |
|           |          |                  |       |             |         |               |              |         | Selenium                             | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Thallium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Mercury                              | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Antimony                             | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Arsenic                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Beryllium                            | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Aluminum                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Iron                                 | 27100      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Magnesium                            | 31400      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Manganese                            | 18400      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Nickel                               | 926        | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |         | Potassium                            | 20.3       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Silver                               | 3080       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Sodium                               | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Barium                               | 4880       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Chromium                             | 114        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Cobalt                               | 29.1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Copper                               | 16.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Vanadium                             | 48.6       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Zinc                                 | 122        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Calcium                              | 51.9       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Nitroaniline                       | 89400      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Nitrophenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 2,4-Dimethylphenol                   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 1,4-Dichlorobenzene                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | 4-Chloroaniline                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Phenol / Carbolic acid / Phenic acid | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | / Phenyllic acid / Phe*              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Bis(2-chloroethyl) ether             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Bis(2-chloroethoxy) methane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Bis(2-ethylhexyl) phthalate          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Di-n-octyl phthalate                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |         | Hexachlorobenzene                    | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL            | 52678-04 | SNV2/S       | 120-12-7 | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 72-55-9  | 2,2-Bis(p-chlorophenyl)-1,1-dichloroethene                  | .12        | UGG VS               |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL 52678-04   | SMV2/S           | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 99-09-2 | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 539                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 556                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 606                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 615                               | .7         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 623                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 632                               | .3         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 637                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         | Unknown compound 660                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |                  |         |  | .4         | UGG V                |            |                |

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL 52856-01   |     | DRO /W       | 7439-92-1 | Diesel range organics                                     | LT 100     | UGL                  |            |                |
|           |          |                  |       |             |               |     | GPB1/W       |           | Lead  | LT 3       | UGL                  |            |                |
|           |          |                  |       |             |               |     | GRO /W       |           | Gasoline range organics                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     | GSE1/W       | 7782-49-2 | Selenium  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |     | GTL1/W       | 7440-28-0 | Thallium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     | HGC1/W       | 7439-97-6 | Mercury   | LT .2      | UGL                  |            |                |
|           |          |                  |       |             |               |     | ICM1/W       | 7440-36-0 | Antimony  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Arsenic   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Beryllium   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Cadmium   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7429-90-5 | Aluminum  | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7439-89-6 | Iron  | LT 100     | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Magnesium   | 21800      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Manganese   | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Nickel  | LT 40      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Potassium   | LT 5000    | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Silver  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-23-5 | Sodium  | 62100      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-39-3 | Barium  | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-47-3 | Chromium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-48-4 | Cobalt  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-50-8 | Copper  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-66-6 | Zinc  | LT 20      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 7440-70-2 | Calcium   | 80100      | UGL                  |            |                |
|           |          |                  |       |             |               |     | SMV1/W       | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |     |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                           | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGM 15-JAN-97  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01      | SMV1/W       | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene                         | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup> | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7 | N-Nitrosodi-n-propylamine   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4  | Hexachlorocyclopentadiene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7  | Butylbenzyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6  | N-Nitrosodiphenylamine  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5  | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3  | Naphthalene / Tar camphor   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6  | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7  | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                                    | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01      | SMV1/W       | 95-50-1  | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8  | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2  | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-41-4 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-42-5 | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-88-3 | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-90-7 | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 124-48-1 | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4 | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 540-59-0 | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |          | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-23-5  | Acetone   | 5.4        | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 591-78-6 | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-64-1  | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-43-2  | 1,1,1-Trichloroethane                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-55-6  | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-83-9  | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-87-3  | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-00-3  | Vinyl chloride / Chloroethene                               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-01-4  | Methylene chloride / Dichloromethane                        | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-09-2  | Carbon disulfide  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-15-0  | Bromoform   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-25-2  | Bromodichloromethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-27-4  | 1,1-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-34-3  | 1,1-Dichloroethylene / 1,1-Dichloroethene                   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-35-4  | Dichloroethene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-87-5  | 1,2-Dichloropropane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-93-3  | Methyl ethyl ketone / 2-Butanone                            | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 79-00-5  | 1,1,2-Trichloroethane                                       | LT 1       | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Any. | Lab | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|----------|-----|--------------|---------|--|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL      | 52856-01 | RL  | VMS1/W       | 79-01-6 | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              | 79-34-5 | Tetrachloroethane / 1,1,2,2-Xylenes, total combined          | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | trans-1,3-Dichloropropene                                    | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Diesel range organics  | 250        | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Lead   | LT 3       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Gasoline range organics                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Selenium   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Thallium   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Mercury  | LT 2       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Antimony   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Arsenic  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Beryllium  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Cadmium  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Aluminum   | 6290       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Iron   | 7070       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Magnesium  | 14700      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Manganese  | 183        | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Nickel   | LT 40      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Potassium  | LT 5000    | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Silver   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Sodium   | 96500      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Barium   | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Chromium   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Cobalt   | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Copper   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Vanadium   | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Zinc   | 20.6       | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Calcium  | 51200      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | 4-Nitroaniline   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | 4-Nitrophenol  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | 2,4-Dimethylphenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | p-Cresol / 4-Cresol / 4-Methylphenol                         | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | 1,4-Dichlorobenzene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | 4-Chloroaniline  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Bis(2-chloroisopropyl) ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Bis(2-chloroethyl) ether                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Bis(2-chloroethoxy) methane                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Bis(2-ethylhexyl) phthalate                                  | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |         |          |     |              |         | Di-n-octyl phthalate   | LT 10      | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL            | 52856-02 | SMV1/M       | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-12-7 | Anthracene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-c,d]pyrene                                     | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 203-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[a,h]anthracene / 1,2:5,6-Dibenzanthracene            | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  | ---        | ---            |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL      | 52856-02      | SNV1/W       | 88-75-5    | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3    | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6    | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7    | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1    | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7    | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Unknown compound 550  | 30         | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Unknown compound 552  | 10         | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Unknown compound 616  | 20         | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 107-06-2   | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-10-1   | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-88-3   | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-90-7   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 124-48-1   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4   | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 540-59-0   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-23-5    | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 591-78-6   | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-64-1    | Acetone   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-66-3    | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-43-2    | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 71-55-6    | 1,1,1-Trichloroethane                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-83-9    | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 74-87-3    | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-00-3    | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-01-4    | Vinyl chloride / Chloroethene                               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 75-09-2    | Methylene chloride / Dichloromethane                        | LT 1       | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CGW

Sampling Date Range: 01-JAN-75 15-JAN-97

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\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

15:01:35

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. | Lab | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|-----------|-----|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL      | 52856-03  |     | SMV1/M       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 106-46-7 | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 106-47-8 | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 108-95-2 | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 117-84-0 | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 120-12-7 | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 78-59-1  | Isochlorone   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |           |     |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|---------|---|------------|----------------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL            | 52856-03 | SNV1/W       | 85-01-8 | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7 | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6 | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7 | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8 | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3 | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5 | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2 | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4 | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5 | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6 | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7 | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8 | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4 | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2 | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Acetone   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloroform  | LT 1       | UGL                  |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL      | 52856-04      | ICP2/W       | 7440-50-8 | Copper  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | LT 20      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 89500      | UGL                  |            |                |
|           |          |                  |       |             |         |               | SMV1/W       | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe*   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1  | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3   | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2  | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CGM  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description  | Me Bo Conc  | Unit Flag Meas Codes  | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|--|--|---|---|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL            | 52856-04 | SNV1/W       | 621-64-7<br>67-72-1<br>77-47-4<br>78-59-1<br>83-32-9<br>84-66-2<br>84-74-2<br>85-01-8<br>85-68-7<br>86-30-6<br>86-73-7<br>86-74-8<br>87-68-3           | N-Nitrosodi-n-propylamine<br>Hexachloroethane<br>Hexachlorocyclopentadiene<br>Isophorone<br>Acenaphthene<br>Diethyl phthalate<br>Phenanthrene<br>Butylbenzyl phthalate<br>N-Nitrosodiphenylamine<br>Fluorene / 9H-Fluorene<br>Carbazole / 9H-Carbazole<br>Hexachlorobutadiene / Hexachloro-1,3-butadiene   | LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10          | UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL        |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5<br>88-06-2<br>88-74-4<br>88-75-5<br>91-20-3<br>91-57-6<br>91-58-7<br>91-94-1<br>95-48-7<br>95-50-1<br>95-57-8<br>95-95-4<br>98-95-3<br>99-09-2 | Pentachlorophenol<br>2,4,6-Trichlorophenol<br>2-Nitroaniline<br>2-Nitrophenol<br>Naphthalene / Tar camphor<br>2-Methylnaphthalene<br>2-Chloronaphthalene<br>3,3'-Dichlorobenzidine<br>o-Cresol / 2-Cresol / 2-Methylphenol<br>1,2-Dichlorobenzene<br>2-Chlorophenol<br>2,4,5-Trichlorophenol<br>Nitrobenzene / Essence of mirbane / Oil of mirbane<br>3-Nitroaniline<br>4-Bromophenyl phenyl ether<br>4-Chlorophenyl phenyl ether<br>Ethylbenzene<br>Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 25<br>LT 10<br>LT 25<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 10<br>LT 25<br>LT 10 | UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL |            |                |
|           |          |                  |       |             |               |          | VMS1/W       | 100-41-4<br>100-42-5   | Dichloropropene<br>1,2-Dichloroethane<br>Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*   | LT 1<br>LT 1<br>LT 5  | UGL<br>UGL<br>UGL   |            |                |
|           |          |                  |       |             |               |          |              | 10061-01-5<br>107-06-2<br>108-10-1<br>108-88-3<br>108-90-7<br>124-48-1<br>127-18-4   | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene<br>1,2-Dichloroethane<br>Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*<br>Toluene<br>Chlorobenzene / Monochlorobenzene<br>Dibromochloromethane / Chlorodibromomethane  | LT 1<br>LT 1<br>LT 5<br>LT 1<br>LT 1<br>LT 1  | UGL<br>UGL<br>UGL<br>UGL<br>UGL<br>UGL  |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type               | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description                                | Me Bo Conc | Unit Meas | Flag Codes | Data quals | EPA Data quals   |           |                       |     |     |   |  |  |
|-------------------------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|--|------------|-----------|------------|------------|--|-----------|-----------------------|-----|-----|---|--|--|
| PLUG                    | SS-W9-01 | SH90101X         | 1.0   | 19-NOV-96   | RL            | 52678-13 | SNV2/S       | 86-73-7  | Fluorene / 9H-Fluorene                             | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                           | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol                                  | LT 3       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                              | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline                                     | LT 3       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 88-75-5  | 2-Nitrophenol                                      | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor                          | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 91-57-6  | 2-Methylnaphthalene                                | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 91-58-7  | 2-Chloronaphthalene                                | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine                             | LT 3       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol               | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 95-50-1  | 1,2-Dichlorobenzene                                | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 95-57-8  | 2-Chlorophenol                                     | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 95-95-4  | 2,4,5-Trichlorophenol                              | LT 3       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT 1       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | 99-09-2  | 3-Nitroaniline                                     | LT 3       | UGG       | V          |            |  |           |                       |     |     |   |  |  |
|                         |          |                  |       |             |               |          |              | SS-WM-01 | SW0102X  | 2.0        | 19-NOV-96 | RL         | 52678-10   | DRO /S<br>GPB1/S<br>GRO /S<br>GSE1/S<br>GTL1/S<br>HGC1/S<br>ICM1/S | 7439-92-1 | Diesel range organics | 16  | UGG | V |  |  |
|                         |          |                  |       |             |               |          |              |          |  |            |           |            |            |  | Lead      | 22.6                  | UGG | BV  |   |  |  |
| Gasoline range organics | LT .5    | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Selenium                | LT 1     | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Thallium                | LT 2     | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Mercury                 | LT .2    | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Antimony                | LT 1     | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Arsenic                 | LT 5     | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Beryllium               | LT 1     | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 539    | 4        | UGG              | VB    |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 563    | 5        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 564    | 3        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 566    | 3        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 567    | 4        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 574    | 5        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 580    | 2        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 586    | .6       | UGG              | VBD   |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 592    | 3        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 596    | 1        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 603    | 1        | UGG              | V     |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |
| Unknown compound 623    | 1        | UGG              | VB    |             |               |          |              |          |  |            |           |            |            |  |           |                       |     |     |   |  |  |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Meth/<br>Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----------------|-----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-LW-01 | SWM0102X         | 2.0   | 19-NOV-96   | RL            | 52678-10        |           |   |            |                      |            |                |
|           |          |                  |       |             |               |                 | 7440-43-9 | Cadmium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7429-90-5 | Aluminum  | 26300      | UGG VB               |            |                |
|           |          |                  |       |             |               |                 | 7439-89-6 | Iron  | 40000      | UGG VB               |            |                |
|           |          |                  |       |             |               |                 | 7439-95-4 | Magnesium   | 15300      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7439-96-5 | Manganese   | 1100       | UGG VB               |            |                |
|           |          |                  |       |             |               |                 | 7440-02-0 | Nickel  | 46.8       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-09-7 | Potassium   | 3410       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-23-5 | Sodium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-39-3 | Barium  | 121        | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-47-3 | Chromium  | 49.2       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-48-4 | Cobalt  | 24.5       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-50-8 | Copper  | 53.7       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-62-2 | Vanadium  | 128        | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-66-6 | Zinc  | 69.2       | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 7440-70-2 | Calcium   | 38500      | UGG V                |            |                |
|           |          |                  |       |             |               | SHV2/S          | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 108-60-1  | Bis(2-chloroisopropyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 108-95-2  | Phenol / Carboic acid / Phenlc acid<br>/ Phenylic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 111-44-4  | Bis(2-chloroethyl) ether                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 111-91-1  | Bis(2-chloroethoxy) methane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 117-81-7  | Bis(2-ethylhexyl) phthalate                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 117-84-0  | Dl-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 120-82-1  | 1,2,4-Trichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 129-00-0  | Benzo[def]phenanthrene / Pyrene                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                       | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzo[a]fluoranthene               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                 | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)

File Type: CS0

Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/<br>Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|-----------------|----------|---|------------|----------------------|------------|----------------|
| PLUG      | SS-WW-01 | SWM0102X         | 2.0   | 19-NOV-96   | RL            | 52678-10 | SMV2/S          | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-dibenzoanthracene            | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 56-55-3  | Benzo[aj]anthracene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 78-59-1  | Isochlorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 91-20-3  | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 95-50-1  | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 95-57-8  | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 95-95-4  | 2,4,5-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 98-95-3  | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 | 99-09-2  | 3-Nitroaniline  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 |          | 4-Bromophenyl phenyl ether                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 |          | Unknown compound 539  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |                 |          |   | 6          | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo  | Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|--------------|---------|----------------------|--------|------|----------------------|------------|----------------|
| PLUG      | SS-LW-01 | SMW0102X         | 2.0   | 19-NOV-96   | RL 52678-10   | SMV2/S       |         | Unknown compound 551 | .1     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 606 | .2     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 614 | .3     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 615 | .5     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 623 | 7      |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 630 | .3     |      | UGG VBD              |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 637 | .1     |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 640 | 2      |      | UGG VB               |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 660 | 9 E -2 |      | UGG V                |            |                |
|           |          |                  |       |             |               |              |         | Unknown compound 671 | 1      |      | UGG V                |            |                |
|           |          |                  |       |             |               |              |         |                      | .2     |      | UGG V                |            |                |

\*\* End of Report - 626 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOIL BORINGS - SUBSURFACE SOIL**

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**ABB Environmental Services, Inc.**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | 8080112X         | 12.0  | 19-NOV-96   | RL      | 52678-01      | DRO /S       | 7439-92-1 | Diesel range organics                                      | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GPB1/S       |           | Lead   | 2.55       | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Gasoline range organics                                    | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               | GSE1/S       | 7782-49-2 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7440-28-0 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7439-97-6 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7440-36-0 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Arsenic  | 2.57       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Beryllium  | .316       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Cadmium  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Aluminum   | 25400      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Iron   | 24300      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Magnesium  | 51000      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Manganese  | 47100      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-02-0 | Nickel   | 17500      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-09-7 | Potassium  | 18200      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-22-4 | Silver   | 957        | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-23-5 | Sodium   | 973        | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7440-39-3 | Barium   | 34.7       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-47-3 | Chromium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-48-4 | Cobalt   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-50-8 | Copper   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium   | 44.1       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc   | 1580       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium  | 1350       | UGG V                |            |                |
|           |          |                  |       |             |         |               | SNV2/S       |           |  | 196        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-01-6  | 4-Nitroaniline   | 152        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol  | 62.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol   | 24.4       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                       | 251        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene  | 48.5       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline  | 192        | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                               | 69.8       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylac acid / Phe* | 14000      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | 31300      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           |  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | B080112X         | 12.0  | 19-NOV-96   | RL            | 52678-01 | SMW2/S       | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0 | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1 | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7 | Anthrane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  |   |            | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-08-01 | B080112X         | 12.0  | 19-NOV-96   | RL 52678-01   |     | SMV2/S       | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 87-86-5   | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-06-2   | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-74-4   | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 88-75-5   | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-20-3   | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-57-6   | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 537                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 539                               | 6          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 614                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 615                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 623                               | 4          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 637                               | .2         | UGG VBD              |            |                |
| SB-08-02  | B080212X |                  | 12.0  | 19-NOV-96   | RL 52678-02   |     | DRO /S       |           | Unknown compound 637                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |     | GPB1/S       | 7439-92-1 | Diesel range organics                              | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     | GRO /S       |           | Lead   | 2.13       | UGG BV               |            |                |
|           |          |                  |       |             |               |     | GSE1/S       | 7782-49-2 | Gasoline range organics                            | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     | GTL1/S       | 7440-28-0 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     | HGC1/S       | 7439-97-6 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICM1/S       | 7440-36-0 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Arsenic  | 2.32       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Beryllium  | .428       | UGG V                |            |                |
|           |          |                  |       |             |               |     | ICP1/S       | 7440-43-9 | Cadmium  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7429-90-5 | Aluminum   | UGG V      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-89-6 | Iron   | 24300      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Magnesium  | 40700      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Manganese  | 17800      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Nickel   | 1410       | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Potassium  | 45.7       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Silver   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           |  | LT 2       | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | S8-08-02 | B080212X         | 12.0  | 19-NOV-96   | RL 52678-02   |     | ICP1/S       | 7440-23-5 | Sodium  | 4500       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-39-3 | Barium  | 169        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-47-3 | Chromium  | 48.8       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-48-4 | Cobalt  | 26.2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-50-8 | Copper  | 56.2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-62-2 | Vanadium  | 131        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-66-6 | Zinc  | 67.7       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-70-2 | Calcium   | 13600      | UGG V                |            |                |
|           |          |                  |       |             |               |     | SNV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 129-00-0  | Benzo(def)phenanthrene / Pyrene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 191-24-2  | Benzo(ghi)perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 205-99-2  | Benzo(b)fluoranthene / 3,4-Benzofluoranthene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 207-08-9  | Benzo(k)fluoranthene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 50-32-8   | Benzo(a)pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 53-70-3   | Dibenz(a,h)anthracene / 1,2:5,6-Dibenzanthracene          | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol         | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 541-73-1  | 1,3-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|-----------|------------|------------|----------------|
| BORE      | SB-09-01 | 8090112X         | 12.0  | 18-NOV-96   | RL      | 52678-14      | SMV2/S       | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 1610-18-0 | 2,4-Bis(isopropylamino)-6-methoxy-1,3,5-triazine / Primato* | .32        | UGG       | VS         |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[a]anthracene / 1,2:5,6-Dibenzanthracene              | LT .6      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1   | Hexachloroethane  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4   | Hexachlorocyclopentadiene                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1   | Isophorone  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9   | Acenaphthene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2   | Diethyl phthalate   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2   | Di-n-butyl phthalate  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8   | Phenanthrene  | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7   | Butylbenzyl phthalate                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6   | N-Nitrosodiphenylamine                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7   | Fluorene / 9H-Fluorene                                      | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8   | Carbazole / 9H-Carbazole                                    | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5   | Pentachlorophenol   | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2   | 2,4,6-Trichlorophenol                                       | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4   | 2-Nitroaniline  | LT .8      | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5   | 2-Nitrophenol   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3   | Naphthalene / Tar camphor                                   | LT .33     | UGG       | V          |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6   | 2-Methylnaphthalene   | LT .33     | UGG       | V          |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-01 | BO90112X         | 12.0  | 18-NOV-96   | RL 52678-14   |     | SNV2/S       | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 537                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 539                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 548                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 549                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 551                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 607                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 615                               | .5         | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 623                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |           | Unknown compound 637                               | .4         | UGG VBD              |            |                |
| SB-09-02  |          | BO90212X         | 12.0  | 18-NOV-96   | RL 52678-15   |     | GRO /S       |           | Gasoline range organics                            | 1          | UGG VB               |            |                |
|           |          | BO90212X         | 12.0  | 18-NOV-96   | RL 52678-15   |     | DRO /S       |           | Diesel range organics                              | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           | Lead   | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-92-1 | Selenium   | 2.71       | UGG BV               |            |                |
|           |          |                  |       |             |               |     |              | 7782-49-2 | Thallium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-28-0 | Mercury  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-97-6 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-36-0 | Arsenic  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-38-2 | Beryllium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-41-7 | Cadmium  | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-43-9 | Aluminum   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7429-90-5 | Iron   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7439-89-6 | Magnesium  | 20800      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-95-4 | Manganese  | 29800      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7439-96-5 | Nickel   | 16800      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-02-0 | Potassium  | 2080       | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              | 7440-09-7 | Silver   | 34.3       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-22-4 | Sodium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-23-5 | Barium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-39-3 | Chromium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-47-3 | Cobalt   | 337        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-48-4 | Copper   | 29.6       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              | 7440-50-8 |  | 24.2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |           |  | 49.9       | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | 8090212X         | 12.0  | 18-NOV-96   | RL            | 52678-15 | ICP1/S       | 7440-62-2 | Vanadium  | 95.4       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 51.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 89500      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SMV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |           | / Phenyllic acid / Phe*                                     |            |                      |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | .58        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3   | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FM)  
File Type: CSD  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | BO90212X         | 12.0  | 18-NOV-96   | RL  | 52678-15      | SNV2/S       | 67-72-1 | Hexachloroethane                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 77-47-4 | Hexachlorocyclopentadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 78-59-1 | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 83-32-9 | Acenaphthene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-66-2 | Diethyl phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 84-74-2 | Di-n-butyl phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-01-8 | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 85-68-7 | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-30-6 | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-73-7 | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 86-74-8 | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-68-3 | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 87-86-5 | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-06-2 | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              | 99-09-2 | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 537                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 539                               | 10         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 544                               | 8 E -2     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 547                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 549                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 551                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 596                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 606                               | .2         | UGG V                |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 615                               | .3         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |         | Unknown compound 623                               | .8         | UGG VB               |            |                |
|           |          |                  |       |             |     |               |              |         |  | .4         | UGG VBD              |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation : Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-02 | 8090212X         | 12.0  | 18-NOV-96   | RL            | 52678-15 | SHV2/S       |           | Unknown compound 637                                      | 2          | UGG VB               |            |                |
| BORE      | SB-09-03 | 8090312X         | 12.0  | 18-NOV-96   | RL            | 52678-05 | DRO /S       | 7439-92-1 | Diesel range organics                                     | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GPB1/S       |           | Lead  | 2.55       | UGG BV               |            |                |
|           |          |                  |       |             |               |          | GRO /S       |           | Gasoline range organics                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          | GSE1/S       | 7782-49-2 | Selenium  | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          | GTL1/S       | 7440-28-0 | Thallium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          | HGC1/S       | 7439-97-6 | Mercury   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICM1/S       | 7440-36-0 | Antimony  | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Arsenic   | 2.4        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Beryllium   | .391       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Cadmium   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |          | ICP1/S       | 7429-90-5 | Aluminum  | 23700      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Iron  | 37100      | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Magnesium   | 18500      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Manganese   | 614        | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Nickel  | 38         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium   | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium  | LT 1000    | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | 156        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | 46.5       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | 22.1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | 55.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 124        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 58.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          | SHV2/S       | 7440-70-2 | Calcium   | 27000      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FH)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-09-03 | 8090312X         | 12.0  | 18-NOV-96   | RL 52678-05   | SWV2/S           | 129-00-0 | Benzo[def]phenanthrene / Pyrene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 132-64-9 | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 191-24-2 | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 193-39-5 | Indeno[1,2,3-C,D]pyrene   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 206-44-0 | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 208-96-8 | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 218-01-9 | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene                         | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>c</sup> | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 621-64-7 | N-Nitrosodi-n-propylamine   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 67-72-1  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 77-47-4  | Hexachlorocyclopentadiene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 78-59-1  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 83-32-9  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-01-8  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 85-68-7  | Butylbenzyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-30-6  | N-Nitrosodiphenylamine  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-73-7  | Fluorene / 9H-Fluorene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 86-74-8  | Carbazole / 9H-Carbazole  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-06-2  | 2,4,6-Trichlorophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-74-4  | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 88-75-5  | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-20-3  | Naphthalene / Tar camphor   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-57-6  | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-58-7  | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |                  | 91-94-1  | 3,3'-Dichlorobenzidine  | LT .8      | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth     | Sample Date | Lab Anly. No. | Lab       | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-----------|-------------|---------------|-----------|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-03 | B090312X         | 12.0      | 18-NOV-96   | RL            | 52678-05  | SHV2/S       | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | Unknown compound 537                               | 9 E -2     | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | Unknown compound 539                               | 6          | UGG VB               |            |                |
| SB-09-04  | B090412X | 12.0             | 18-NOV-96 | RL          | 52678-06      | DRO /S    | GPB1/S       | 7439-92-1 | Unknown compound 637                               | LT 4       | UGG VB               |            |                |
|           |          |                  |           |             |               |           |              | 7782-49-2 | Diesel range organics                              | LT 4       | UGG BV               |            |                |
|           |          |                  |           |             |               |           |              |           | 7440-28-0  | Lead       | LT .5                | UGG V      |                |
|           |          |                  |           |             |               |           |              | 7439-97-6 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | 7440-36-0  | Thallium   | LT 2                 | UGG V      |                |
|           |          |                  |           |             |               |           |              | 7440-38-2 | Mercury  | LT .2      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | 7440-41-7  | Antimony   | LT 1                 | UGG V      |                |
|           |          |                  |           |             |               |           |              | 7440-43-9 | Arsenic  | LT 5       | UGG V                |            |                |
|           |          |                  |           |             |               |           |              |           | 7429-90-5  | Beryllium  | LT 1                 | UGG V      |                |
|           |          |                  |           |             |               |           |              | 7439-89-6 |  | Cadmium    | LT 1                 | UGG V      |                |
| SHV2/S    | 100-01-6 | 100-02-7         | 105-67-9  | SHV2/S      | 29300         | Aluminum  | LT 1         |           | UGG V  |            |                      |            |                |
|           |          |                  |           |             | 44300         | Iron      | UGG VB       |           |  |            |                      |            |                |
|           |          |                  |           |             | 16700         | Magnesium | UGG VB       |           |  |            |                      |            |                |
|           |          |                  |           |             | 1880          | Manganese | UGG V        |           |  |            |                      |            |                |
|           |          |                  |           |             | 23.3          | Nickel    | UGG VB       |           |  |            |                      |            |                |
|           |          |                  |           |             | LT 1000       | Potassium | UGG V        |           |  |            |                      |            |                |
|           |          |                  |           |             | LT 2          | Silver    | UGG V        |           |  |            |                      |            |                |
|           |          |                  |           |             | LT 1000       | Sodium    | UGG V        |           |  |            |                      |            |                |
|           |          |                  |           |             | 401           | Barium    | UGG V        |           |  |            |                      |            |                |
|           |          |                  |           |             | 31.5          | Chromium  | UGG V        |           |  |            |                      |            |                |
| SB-09-05  | B090512X | 12.0             | 18-NOV-96 | RL          | 52678-07      | DRO /S    | GPB1/S       | 7440-47-3 | 4-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 7440-48-4 | Cobalt   | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 7440-50-8 | Copper   | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 7440-62-2 | Vanadium   | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 7440-66-6 | Zinc   | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 7440-70-2 | Calcium  | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 100-01-6  | 4-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 100-02-7  | 4-Nitrophenol                                      | LT .8      | UGG V                |            |                |
|           |          |                  |           |             |               |           |              | 105-67-9  | 2,4-Dimethylphenol                                 | LT .33     | UGG V                |            |                |



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FM)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-04 | 8090412X         | 12.0  | 18-NOV-96   | RL            | 52678-06 | SHV2/S       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7 | 1,4-Dichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8 | 4-Chloroaniline  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2 | Phenol / Carbollic acid / Phenic acid / Phenylic acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4 | Bis(2-chloroethyl) ether                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1 | Bis(2-chloroethoxy) methane                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0 | Di-n-octyl phthalate   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1 | Hexachlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7 | Anthracene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene   | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene              | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol            | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m*  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate   | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|--|------------|----------------------|------------|----------------|
| BORE      | SB-09-04 | 8090412X         | 12.0  | 18-NOV-96   | RL      | 52678-06      | SMV2/S       | 85-01-8   | Phenanthrene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7   | Butylbenzyl phthalate                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6   | N-Nitrosodiphenylamine                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7   | Fluorene / 9H-Fluorene                             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8   | Carbazole / 9H-Carbazole                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3   | Hexachlorobutadiene / Hexachloro-1,3-butadiene     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5   | Pentachlorophenol                                  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2   | 2,4,6-Trichlorophenol                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4   | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5   | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3   | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6   | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7   | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1   | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7   | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1   | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8   | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4   | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3   | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2   | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 539                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 614                               | 8 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 615                               | .3         | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 623                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              |           | Unknown compound 637                               | .4         | UGG VBD              |            |                |
| SB-M9-01  | BH90112X |                  | 12.0  | 19-NOV-96   | RL      | 52678-03      | DRO /S       |           | Unknown compound 637                               | .8         | UGG VB               |            |                |
|           |          |                  |       |             |         |               | GPB1/S       | 7439-92-1 | Diesel range organics                              | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |         |               | GRO /S       |           | Lead   | 2.98       | UGG BV               |            |                |
|           |          |                  |       |             |         |               | GSE1/S       | 7782-49-2 | Gasoline range organics                            | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |         |               | GTL1/S       | 7440-28-0 | Selenium   | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |         |               | HGC1/S       | 7439-97-6 | Thallium   | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICM1/S       | 7440-36-0 | Mercury  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-38-2 | Antimony   | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-41-7 | Arsenic  | 1.54       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7440-43-9 | Beryllium  | .437       | UGG V                |            |                |
|           |          |                  |       |             |         |               | ICP1/S       | 7429-90-5 | Cadmium  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |         |               |              | 7439-89-6 | Aluminum   | 35700      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-95-4 | Iron   | 46500      | UGG VB               |            |                |
|           |          |                  |       |             |         |               |              | 7439-96-5 | Magnesium  | 20400      | UGG V                |            |                |
|           |          |                  |       |             |         |               |              |           | Manganese  | 961        | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description                                       | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| BORE      | SB-W9-01 | BK90112X         | 12.0  | 19-NOV-96   | RL            | 52678-03 | ICP1/S       | 7440-02-0 | Nickel  | 33.7       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium   | 3190       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver  | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium  | 4520       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | 95         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | 49.2       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | 20.8       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | 63         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | 148        | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | 68.9       | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 7440-70-2 | Calcium   | 38200      | UGG V                |            |                |
|           |          |                  |       |             |               |          | SHV2/S       | 100-01-6  | 4-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenylc acid / Phe* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                           | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3  | Dimethyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9  | Dibenzofuran  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2  | Benzo[ghi]perylene  | LT .6      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                   | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0  | Fluoranthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9  | Benzo[k]fluoranthene                                      | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8  | Acenaphthylene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9  | Chrysene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8   | Benzo[a]pyrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5   | 2,4-Dinitrophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene           | LT .6      | UGG V                |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab    | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|--------|--------------|----------|---|------------|----------------------|------------|----------------|
| 30RE      | SB-M9-01 | BN90112X         | 12.0  | 19-NOV-96   | RL 52678-03   | SNV2/S | 534-52-1     | 541-73-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |        | 56-55-3      | 59-50-7  | 1,3-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 606-20-2     | 621-64-7 | Benzo[a]anthracene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 67-72-1      | 77-47-4  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 83-32-9      | 84-66-2  | 2,6-Dinitrotoluene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 85-01-8      | 86-30-6  | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 86-73-7      | 86-74-8  | Hexachloroethane  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 87-68-3      |          | Hexachlorocyclopentadiene                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 87-86-5      | 88-06-2  | Isophorone  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 88-74-4      | 88-75-5  | Acenaphthene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 91-20-3      | 91-57-6  | Diethyl phthalate   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 91-58-7      | 91-94-1  | Di-n-butyl phthalate  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 95-48-7      | 95-50-1  | Phenanthrene  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 95-57-8      | 95-95-4  | Butylbenzyl phthalate                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        | 98-95-3      | 99-09-2  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Pentachlorophenol   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2-Nitrophenol   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Naphthalene / Tar camphor                                   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2-Methylnaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2-Chloronaphthalene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 3,3'-Dichlorobenzidine                                      | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 1,2-Dichlorobenzene   | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2-Chlorophenol  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 2,4,5-Trichlorophenol                                       | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 3-Nitroaniline  | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 4-Bromophenyl phenyl ether                                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | 4-Chlorophenyl phenyl ether                                 | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 537  | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 539  | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 551  | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 606  | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 614  | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |        |              |          | Unknown compound 615  | .6         | UGG VB               |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CSO  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:46

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No. | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|-----|--------------|---------|--------------------------------------|------------|----------------------|------------|----------------|
| BORE      | SB-M9-01 | BK90112X         | 12.0  | 19-NOV-96   | RL 52678-03   |     | SMV2/S       |         | Unknown compound 623                 | 9          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Unknown compound 630                 | .5         | UGG VBD              |            |                |
|           |          |                  |       |             |               |     |              |         | Unknown compound 637                 | 9 E -2     | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Unknown compound 664                 | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Diesel range organics                | 9 E -2     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Lead                                 | LT 4       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Gasoline range organics              | 2.45       | UGG BV               |            |                |
|           |          |                  |       |             |               |     |              |         | Selenium                             | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Thallium                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Mercury                              | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Antimony                             | LT .2      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Arsenic                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Beryllium                            | LT 5       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Cadmium                              | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Aluminum                             | LT 1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Iron                                 | 27100      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Magnesium                            | 31400      | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Manganese                            | 18400      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Nickel                               | 926        | UGG VB               |            |                |
|           |          |                  |       |             |               |     |              |         | Potassium                            | 20.3       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Silver                               | 3080       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Sodium                               | LT 2       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Barium                               | 4880       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Chromium                             | 114        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Cobalt                               | 29.1       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Copper                               | 16.8       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Vanadium                             | 48.6       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Zinc                                 | 122        | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Calcium                              | 51.9       | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | 4-Nitroaniline                       | 89400      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | 4-Nitrophenol                        | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | 2,4-Dimethylphenol                   | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | p-Cresol / 4-Cresol / 4-Methylphenol | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | 1,4-Dichlorobenzene                  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | 4-Chloroaniline                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Bis(2-chloroisopropyl) ether         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Phenol / Carboic acid / Phenic acid  | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | / Phenyllic acid / Phe*              | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Bis(2-chloroethyl) ether             | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Bis(2-chloroethoxy) methane          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Bis(2-ethylhexyl) phthalate          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Di-n-octyl phthalate                 | LT .5      | UGG V                |            |                |
|           |          |                  |       |             |               |     |              |         | Hexachlorobenzene                    | LT .33     | UGG V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|-----------|------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL            | 52678-04 | SNV2/S       | 120-12-7 | Anthracene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT .5      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT .6      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 1       | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 72-55-9  | 2,2-Bis(p-chlorophenyl)-1,1-dichloroethene                  | .12        | UGG VS    |            |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT .33     | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT .8      | UGG V     |            |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT .33     | UGG V     |            |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CSO  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description                                | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|---------|--|------------|----------------------|------------|----------------|
| BORE      | SB-PH-01 | BPH0107X         | 7.0   | 19-NOV-96   | RL            | 52678-04 | SMV2/S       | 88-74-4 | 2-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5 | 2-Nitrophenol                                      | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                          | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6 | 2-Methylnaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7 | 2-Chloronaphthalene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                             | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol               | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene                                | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8 | 2-Chlorophenol                                     | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4 | 2,4,5-Trichlorophenol                              | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2 | 3-Nitroaniline                                     | LT .8      | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Bromophenyl phenyl ether                         | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Chlorophenyl phenyl ether                        | LT .33     | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 539                               | 7          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 548                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 551                               | .1         | UGG V                |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 556                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 606                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 614                               | .2         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 615                               | .7         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 623                               | 5          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 632                               | .3         | UGG VBD              |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 637                               | .1         | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 660                               | 1          | UGG VB               |            |                |
|           |          |                  |       |             |               |          |              |         |  | .4         | UGG V                |            |                |

\*\* End of Report - 804 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

## GROUNDWATER

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**ABB Environmental Services, Inc.**

W001976APP

9890-05



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW 15-JAN-97  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL            | 52856-01 | DRO /W       | 7439-92-1 | Diesel range organics                                       | LT 100     | UGL                  |            |                |
|           |          |                  |       |             |               |          | GP81/W       |           | Lead  | LT 3       | UGL                  |            |                |
|           |          |                  |       |             |               |          | GRO /W       |           | Gasoline range organics                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          | GSE1/W       | 7782-49-2 | Selenium  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          | GTL1/W       | 7440-28-0 | Thallium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          | HGC1/W       | 7439-97-6 | Mercury   | LT .2      | UGL                  |            |                |
|           |          |                  |       |             |               |          | ICM1/W       | 7440-36-0 | Antimony  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Arsenic   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Beryllium   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Cadmium   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          | ICP2/W       | 7429-90-5 | Aluminum  | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Iron  | LT 100     | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Magnesium   | 21800      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Manganese   | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Nickel  | LT 40      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Potassium   | LT 5000    | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Silver  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Sodium  | 62100      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Barium  | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Chromium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-48-4 | Cobalt  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-50-8 | Copper  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 7440-66-6 | Zinc  | LT 20      | UGL                  |            |                |
|           |          |                  |       |             |               |          | SMV1/W       | 7440-70-2 | Calcium   | 80100      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7  | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2  | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0  | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7  | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FW)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL            | 52856-01 | SMV1/M       | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 88-75-5  | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6  | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7  | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|------------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | MD30126X         | 26.0  | 04-DEC-96   | RL            | 52856-01         | SMV1/W     |   |            |                      |            |                |
|           |          |                  |       |             |               |                  | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 95-95-4    | 2,4,5-Trichlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 99-09-2    | 3-Nitroaniline  |            |                      |            |                |
|           |          |                  |       |             |               |                  |            | 4-Bromophenyl phenyl ether  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |                  |            | 4-Chlorophenyl phenyl ether   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |                  |            | Ethylbenzene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |                  |            | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene                                   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 107-06-2   | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 108-10-1   | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*                           | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 108-88-3   | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 108-90-7   | Chlorobenzene / Monochlorobenzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 124-48-1   | Dibromochloromethane / Chlorodibromomethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 127-18-4   | Tetrachloroethylene / Tetrachlorobromethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 540-59-0   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene *                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 56-23-5    | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 591-78-6   | Methyl n-butyl ketone / 2-Hexanone  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 67-64-1    | Acetone   | 5.4        | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 67-66-3    | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 71-43-2    | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 71-55-6    | 1,1,1-Trichloroethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 74-83-9    | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 74-87-3    | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-00-3    | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-01-4    | Vinyl chloride / Chloroethene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-09-2    | Methylene chloride / Dichloromethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-15-0    | Carbon disulfide  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-25-2    | Bromoform   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-27-4    | Bromodichloromethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-34-3    | 1,1-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 75-35-4    | 1,1-Dichloroethylene / 1,1-Dichloroethene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 78-87-5    | Dichloroethene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 78-93-3    | 1,2-Dichloropropane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |                  | 79-00-5    | Methyl ethyl ketone / 2-Butanone  | LT 15      | UGL                  |            |                |
|           |          |                  |       |             |               |                  |            | 1,1,2-Trichloroethane   | LT 1       | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|-----|---------------|--------------|---------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-01 | M030126X         | 26.0  | 04-DEC-96   | RL  | 52856-01      | WMS1/W       | 79-01-6 | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* Tetrachloroethane / 1,1,2,2- Tetrachloroethane / Acetylene * Xylenes, total combined trans-1,3-Dichloropropene Diesel range organics | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              | 79-34-5 | Lead  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Gasoline range organics   | LT 3       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Selenium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Thallium  | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Mercury   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Antimony  | LT .2      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Arsenic   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Beryllium   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Cadmium   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Aluminum  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Iron  | 6290       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Magnesium   | 7070       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Manganese   | 14700      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Nickel  | 183        | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Potassium   | LT 40      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Silver  | LT 5000    | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Sodium  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Barium  | 96500      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Chromium  | LT 200     | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Cobalt  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Copper  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Vanadium  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Zinc  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Calcium   | 20.6       | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | 4-Nitroaniline  | 51200      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | 2,4-Dimethylphenol  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | p-Cresol / 4-Cresol / 4-Methylphenol  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Bis(2-chloroisopropyl) ether  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe*   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Bis(2-chloroethyl) ether  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Bis(2-chloroethoxy) methane   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Bis(2-ethylhexyl) phthalate   | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |     |               |              |         | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL            | 52856-02 | SMV1/W       | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-12-7 | Anthracene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzo[fluoranthene               | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene             | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isothorone  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate                                       | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL                  | ---        | ---            |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGM  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No. | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|---------|---|------------|----------------------|------------|----------------|
| WELL      | MW-03-02 | M030222X         | 22.0  | 04-DEC-96   | RL            | 52856-02 | SMV1/W       | 88-75-5 | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-20-3 | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-57-6 | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-58-7 | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 91-94-1 | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-48-7 | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-50-1 | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-57-8 | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 95-95-4 | 2,4,5-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 98-95-3 | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 99-09-2 | 3-Nitroaniline  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 550  | 30         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 552  | 10         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Unknown compound 616  | 20         | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Acetone   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Benzene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | 1,1,1-Trichloroethane                                       | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Bromomethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloromethane   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Chloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Vinyl chloride / Chloroethene                               | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |               |          |              |         | Methylene chloride / Dichloromethane                        | LT 1       | UGL                  |            |                |

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97-

| Site Type | Site ID            | Field Sample No. | Depth     | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo Conc | Unit Meas | Flag Codes | Data Quals | EPA Data Quals |
|-----------|--------------------|------------------|-----------|-------------|---------------|----------|--------------|-----------|--|------------|-----------|------------|------------|----------------|
| WELL      | MW-03-02           | M030222X         | 22.0      | 04-DEC-96   | RL            | 52856-02 | VMS1/W       | 75-15-0   | Carbon disulfide   | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 75-25-2   | Bromoform  | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 75-27-4   | Bromodichloromethane   | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 75-34-3   | 1,1-Dichloroethane   | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 75-35-4   | 1,1-Dichloroethylene / 1,1-Dichloroethene                    | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 78-87-5   | 1,2-Dichloropropane  | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 78-93-3   | Methyl ethyl ketone / 2-Butanone                             | LT 15      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 79-00-5   | 1,1,2-Trichloroethane  | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 79-01-6   | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              | 79-34-5   | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT 1       | UGL       |            |            |                |
| MW-08-01  | M080120X           | 20.0             | 03-DEC-96 | RL          | 52856-03      | DRO /W   | GPB1/W       | 7439-92-1 | Unknown compound 249   | 1          | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Xylenes, total combined                                      | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | trans-1,3-Dichloropropene                                    | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Diesel range organics  | LT 100     | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Lead   | LT 3       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Gasoline range organics                                      | LT 10      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Selenium   | LT 5       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Thallium   | LT 10      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Mercury  | LT .2      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Antimony   | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Arsenic  | LT 5       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Beryllium  | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Cadmium  | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Aluminum   | LT 1       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Iron   | 2750       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Magnesium  | 1600       | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Manganese  | 20300      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Nickel   | 144        | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Potassium  | LT 40      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Silver   | LT 5000    | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Sodium   | LT 10      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Barium   | 63400      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Chromium   | LT 200     | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Cobalt   | LT 10      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Copper   | LT 50      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Vanadium   | LT 25      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Zinc   | LT 50      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | Calcium  | LT 20      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | 4-Nitroaniline   | 76800      | UGL       |            |            |                |
|           |                    |                  |           |             |               |          |              |           | 4-Nitrophenol  | LT 25      | UGL       |            |            |                |
|           | 2,4-Dimethylphenol | LT 10            | UGL       |             |               |          |              |           |  |            |           |            |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL            | 52856-03 | SMV1/W       | 106-44-5 | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 106-46-7 | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 106-47-8 | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-60-1 | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 108-95-2 | Phenol / Carboic acid / Phenic acid / Phenyllic acid / Phe* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 111-44-4 | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 111-91-1 | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 117-81-7 | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 117-84-0 | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 118-74-1 | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-12-7 | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-82-1 | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 120-83-2 | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 121-14-2 | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 129-00-0 | Benzo[de]phenanthrene / Pyrene                              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 621-64-7 | M-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |

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Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL      | 52856-03      | SNV1/W       | 85-01-8    | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7    | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6    | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7    | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8    | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3    | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5    | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2    | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4    | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5    | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3    | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6    | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7    | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1    | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7    | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Styrene / Ethylbenzene / Styrol / Styrolene / Cinnamene *   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-41-4   | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-42-5   | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 10061-01-5 | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 107-06-2   | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-10-1   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-88-3   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-90-7   | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 124-48-1   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4   | Carbon tetrachloride  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 540-59-0   | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-23-5    | Acetone   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 591-78-6   | Chloroform  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-66-1    |   | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-66-3    |   | LT 1       | UGL                  |            |                |

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Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.   | Analyte Description  | Me Bo | Conc  | Unit | Flag | Date | quals | EPA Data |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|-----------|--|-------|-------|------|------|------|-------|----------|
| WELL      | MW-08-01 | M080120X         | 20.0  | 03-DEC-96   | RL            | 52856-03 | VMS1/W       | 71-43-2   | Benzene  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 71-55-6   | 1,1,1-Trichloroethane  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 74-83-9   | Bromomethane   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 74-87-3   | Chloromethane  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-00-3   | Chloroethane   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-01-4   | Vinyl chloride / Chloroethene                                | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-09-2   | Methylene chloride / Dichloromethane                         | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-15-0   | Carbon disulfide   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-25-2   | Bromoform  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-27-4   | Bromodichloromethane   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-34-3   | 1,1-Dichloroethane   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 75-35-4   | 1,1-Dichloroethylene / 1,1-Dichloroethene                    | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 78-87-5   | 1,2-Dichloropropane  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 78-93-3   | Methyl ethyl ketone / 2-Butanone                             | LT    | 15    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 79-00-5   | 1,1,2-Trichloroethane  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 79-01-6   | Trichloroethylene /Trichloroethene / Ethinyl trichloride /I* | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 79-34-5   | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | Unknown compound 052   |       | 2     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | Xylenes, total combined                                      | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | trans-1,3-Dichloropropene                                    | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | Diesel range organics  | LT    | 100   | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | Lead   | LT    | 3     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7439-92-1 | Gasoline range organics                                      | LT    | 10    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              |           | Selenium   | LT    | 5     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7782-49-2 | Thallium   | LT    | 10    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-28-0 | Mercury  | LT    | .2    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7439-97-6 | Antimony   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-36-0 | Arsenic  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-38-2 | Beryllium  | LT    | 5     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-41-7 | Cadmium  | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-43-9 | Aluminum   | LT    | 1     | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7429-90-5 | Iron   | LT    | 200   | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7439-89-6 | Magnesium  | LT    | 100   | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7439-95-4 | Manganese  |       | 34000 | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7439-96-5 | Nickel   | LT    | 15    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-02-0 | Potassium  | LT    | 40    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-09-7 | Silver   | LT    | 5000  | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-22-4 | Sodium   | LT    | 10    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-23-5 | Barium   |       | 56200 | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-39-3 | Chromium   | LT    | 200   | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-47-3 | Cobalt   | LT    | 10    | UGL  |      |      |       |          |
|           |          |                  |       |             |               |          |              | 7440-48-4 |  | LT    | 50    | UGL  |      |      |       |          |
| MW-09-01  |          | M090113X         | 13.0  | 04-DEC-96   | RL            | 52856-04 | DRO /W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | GP81/W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | GRO /W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | GSE1/W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | GTL1/W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | HGC1/W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | ICM1/W       |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          |              |           |  |       |       |      |      |      |       |          |
|           |          |                  |       |             |               |          | ICP2/W       |           |  |       |       |      |      |      |       |          |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.   | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|-----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL      | 52856-04      | ICP2/W       | 7440-50-8 | Copper  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-62-2 | Vanadium  | LT 50      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-66-6 | Zinc  | LT 20      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 7440-70-2 | Calcium   | 89500      | UGL                  |            |                |
|           |          |                  |       |             |         |               | SMV1/W       | 100-01-6  | 4-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 100-02-7  | 4-Nitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 105-67-9  | 2,4-Dimethylphenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-46-7  | 1,4-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 106-47-8  | 4-Chloroaniline   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-60-1  | Bis(2-chloroisopropyl) ether                                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-95-2  | Phenol / Carbolic acid / Phenic acid / Phenylc acid / Phe*  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-44-4  | Bis(2-chloroethyl) ether                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 111-91-1  | Bis(2-chloroethoxy) methane                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-81-7  | Bis(2-ethylhexyl) phthalate                                 | LT 35      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 117-84-0  | Di-n-octyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 118-74-1  | Hexachlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-12-7  | Anthracene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-82-1  | 1,2,4-Trichlorobenzene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 120-83-2  | 2,4-Dichlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 121-14-2  | 2,4-Dinitrotoluene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene                             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 131-11-3  | Dimethyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 132-64-9  | Dibenzofuran  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 191-24-2  | Benzo[ghi]perylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 193-39-5  | Indeno[1,2,3-C,D]pyrene                                     | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 205-99-2  | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 206-44-0  | Fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 207-08-9  | Benzo[k]fluoranthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 208-96-8  | Acenaphthylene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 218-01-9  | Chrysene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 50-32-8   | Benzo[a]pyrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 51-28-5   | 2,4-Dinitrophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 53-70-3   | Dibenz[ah]anthracene / 1,2:5,6-Dibenzanthracene             | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 534-52-1  | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol           | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 541-73-1  | 1,3-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 56-55-3   | Benzo[al]anthracene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 59-50-7   | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 606-20-2  | 2,6-Dinitrotoluene  | LT 10      | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab No. | Lab Anly. No. | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------|---------------|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | MJ-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL      | 52856-04      | SMV1/W       | 621-64-7   | N-Nitrosodi-n-propylamine                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 67-72-1    | Hexachloroethane  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 77-47-4    | Hexachlorocyclopentadiene                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 78-59-1    | Isophorone  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 83-32-9    | Acenaphthene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-66-2    | Diethyl phthalate   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 84-74-2    | Di-n-butyl phthalate  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-01-8    | Phenanthrene  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 85-68-7    | Butylbenzyl phthalate                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-30-6    | N-Nitrosodiphenylamine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-73-7    | Fluorene / 9H-Fluorene                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 86-74-8    | Carbazole / 9H-Carbazole                                    | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-68-3    | Hexachlorobutadiene / Hexachloro-1,3-butadiene              | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 87-86-5    | Pentachlorophenol   | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-06-2    | 2,4,6-Trichlorophenol                                       | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-74-4    | 2-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 88-75-5    | 2-Nitrophenol   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-20-3    | Naphthalene / Tar camphor                                   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-57-6    | 2-Methylnaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-58-7    | 2-Chloronaphthalene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 91-94-1    | 3,3'-Dichlorobenzidine                                      | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-48-7    | o-Cresol / 2-Cresol / 2-Methylphenol                        | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Ethylbenzene  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              |            | 1,2-Dichloroethane  | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 107-06-2   | Methyl isobutyl ketone /                                    | LT 5       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-10-1   | Isopropylacetone / 4-Methyl-2-pen*                          |            | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-88-3   | Toluene   | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 108-90-7   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 124-48-1   | Dibromochloromethane /                                      | LT 1       | UGL                  |            |                |
|           |          |                  |       |             |         |               |              | 127-18-4   | Chlorodibromomethane  |            | UGL                  |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 15-JAN-97

| Site Type | Site ID  | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|----------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | MW-09-01 | M090113X         | 13.0  | 04-DEC-96   | RL            | 52856-04 | VMS1/W       | 127-18-4 | Tetrachloroethylene /<br>Tetrachloroethene / Perchloroethylen*<br>1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 540-59-0 | Carbon tetrachloride  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 56-23-5  | Methyl n-butyl ketone / 2-Hexanone  | LT 5       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 591-78-6 | Acetone   | LT 5       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 67-66-3  | Chloroform  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 71-43-2  | Benzene   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 71-55-6  | 1,1,1-Trichloroethane   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 74-83-9  | Bromomethane  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 74-87-3  | Chloromethane   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-00-3  | Chloroethane  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-01-4  | Vinyl chloride / Chloroethene   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-09-2  | Methylene chloride / Dichloromethane  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-15-0  | Carbon disulfide  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-25-2  | Bromoform   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-27-4  | Bromodichloromethane  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-34-3  | 1,1-Dichloroethane  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 75-35-4  | 1,1-Dichloroethylene / 1,1-Dichloroethene   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 78-87-5  | 1,2-Dichloropropane   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 78-93-3  | Methyl ethyl ketone / 2-Butanone  | LT 15      | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 79-00-5  | 1,1,2-Trichloroethane   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 79-01-6  | Trichloroethylene / Trichloroethene / Ethinyl trichloride / T*  | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              | 79-34-5  | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              |          | Xylenes, total combined   | LT 1       | UGL                  | ---        | ---            |
|           |          |                  |       |             |               |          |              |          | trans-1,3-Dichloropropene   | LT 1       | UGL                  | ---        | ---            |

\*\* End of Report - 493 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**SOURCE WATER DATA**

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.   | Analyte Description                  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------------|-----|--------------|-----------|--------------------------------------|------------|----------------------|------------|----------------|
| WELL      | WW#2    | WW#2             | 0.0   | 14-NOV-96   | RL 52614-01   |     | DRO /W       | 7439-92-1 | Diesel range organics                | LT 100     | UGL V                |            |                |
|           |         |                  |       |             |               |     | GPB1/W       |           | Lead                                 | LT 3       | UGL V                |            |                |
|           |         |                  |       |             |               |     | GRO /W       |           | Gasoline range organics              | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     | GSE1/W       | 7782-49-2 | Selenium                             | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |               |     | GTL1/W       | 7440-28-0 | Thallium                             | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     | HGC1/W       | 7439-97-6 | Mercury                              | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     | ICM1/W       | 7440-36-0 | Antimony                             | LT .2      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-38-2 | Arsenic                              | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-41-7 | Beryllium                            | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-43-9 | Cadmium                              | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     | ICP2/W       | 7429-90-5 | Aluminum                             | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7439-89-6 | Iron                                 | LT 200     | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7439-95-4 | Magnesium                            | LT 100     | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7439-96-5 | Manganese                            | 22100      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-02-0 | Nickel                               | LT 15      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-09-7 | Potassium                            | LT 40      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-22-4 | Silver                               | LT 5000    | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-23-5 | Sodium                               | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-39-3 | Barium                               | 63000      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-47-3 | Chromium                             | LT 200     | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-48-4 | Cobalt                               | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-50-8 | Copper                               | LT 50      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-62-2 | Vanadium                             | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-66-6 | Zinc                                 | LT 50      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 7440-70-2 | Calcium                              | LT 20      | UGL V                |            |                |
|           |         |                  |       |             |               |     | SMV1/W       | 100-01-6  | 4-Nitroaniline                       | 79800      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 100-02-7  | 4-Nitrophenol                        | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 105-67-9  | 2,4-Dimethylphenol                   | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 106-44-5  | p-Cresol / 4-Cresol / 4-Methylphenol | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 106-46-7  | 1,4-Dichlorobenzene                  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 106-47-8  | 4-Chloroaniline                      | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 108-60-1  | Bis(2-chloroisopropyl) ether         | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 108-95-2  | Phenol / Carbolic acid / Phenic acid | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              |           | / Phenyllic acid / Phe*              | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 111-44-4  | Bis(2-chloroethyl) ether             | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 111-91-1  | Bis(2-chloroethoxy) methane          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 117-81-7  | Bis(2-ethylhexyl) phthalate          | LT 35      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 117-84-0  | Di-n-octyl phthalate                 | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 118-74-1  | Hexachlorobenzene                    | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 120-12-7  | Anthracene                           | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 120-82-1  | 1,2,4-Trichlorobenzene               | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 120-83-2  | 2,4-Dichlorophenol                   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 121-14-2  | 2,4-Dinitrotoluene                   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 129-00-0  | Benzo[def]phenanthrene / Pyrene      | LT 10      | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW  
 Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:02

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab      | Meth/ Matrix | CAS No.  | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------------|----------|--------------|----------|---|------------|----------------------|------------|----------------|
| WELL      | WW#2    | WW#2             | 0.0   | 14-NOV-96   | RL            | 52614-01 | SMV1/W       | 131-11-3 | Dimethyl phthalate  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 132-64-9 | Dibenzofuran  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 191-24-2 | Benzo[ghi]perylene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 193-39-5 | Indeno[1,2,3-c,d]pyrene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 205-99-2 | Benzo[b]fluoranthene / 3,4-Benzofluoranthene                            | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 206-44-0 | Fluoranthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 207-08-9 | Benzo[k]fluoranthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 208-96-8 | Acenaphthylene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 218-01-9 | Chrysene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 50-32-8  | Benzo[a]pyrene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 51-28-5  | 2,4-Dinitrophenol   | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 53-70-3  | Dibenz[ah]anthracene / 1,2,5,6-Dibenzanthracene                         | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 534-52-1 | 4,6-Dinitro-2-cresol / 2-Methyl-4,6-dinitrophenol                       | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 541-73-1 | 1,3-Dichlorobenzene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 56-55-3  | Benzo[a]anthracene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 59-50-7  | 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m <sup>a</sup> | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 606-20-2 | 2,6-Dinitrotoluene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 621-64-7 | N-Nitrosodi-n-propylamine   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 67-72-1  | Hexachloroethane  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 77-47-4  | Hexachlorocyclopentadiene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 78-59-1  | Isophorone  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 83-32-9  | Acenaphthene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 84-66-2  | Diethyl phthalate   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 84-74-2  | Di-n-butyl phthalate  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 85-01-8  | Phenanthrene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 85-68-7  | Butylbenzyl phthalate   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 86-30-6  | N-Nitrosodiphenylamine  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 86-73-7  | Fluorene / 9H-Fluorene  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 86-74-8  | Carbazole / 9H-Carbazole  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 87-68-3  | Hexachlorobutadiene / Hexachloro-1,3-butadiene                          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 87-86-5  | Pentachlorophenol   | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 88-06-2  | 2,4,6-Trichlorophenol   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 88-74-4  | 2-Nitroaniline  | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 88-75-5  | 2-Nitrophenol   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 91-20-3  | Naphthalene / Tar camphor   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 91-57-6  | 2-Methylnaphthalene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 91-58-7  | 2-Chloronaphthalene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 91-94-1  | 3,3'-Dichlorobenzidine  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |          |              | 95-48-7  | o-Cresol / 2-Cresol / 2-Methylphenol                                    | LT 10      | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary



Final Documentation Appendix Report  
 Installation :Fort Allen, Puerto Rico (FN)  
 File Type: CGW 28-JAN-97  
 Sampling Date Range: 01-JAN-75 28-JAN-97

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab Anly. No. | Lab | Meth/ Matrix | CAS No.    | Analyte Description   | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|---------------|-----|--------------|------------|---|------------|----------------------|------------|----------------|
| WELL      | WM#2    | WM#2             | 0.0   | 14-NOV-96   | RL 52614-01   |     | SMV1/W       | 95-50-1    | 1,2-Dichlorobenzene   | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 95-57-8    | 2-Chlorophenol  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 95-95-4    | 2,4,5-Trichlorophenol                                       | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 98-95-3    | Nitrobenzene / Essence of mirbane / Oil of mirbane          | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 99-09-2    | 3-Nitroaniline  | LT 25      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              |            | 4-Bromophenyl phenyl ether                                  | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     | VMS1/W       | 100-41-4   | 4-Chlorophenyl phenyl ether                                 | LT 10      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 100-42-5   | Ethylbenzene  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              |            | Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene * | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 10061-01-5 | cis-1,3-Dichloropropylene / cis-1,3-Dichloropropene         | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 107-06-2   | 1,2-Dichloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 108-10-1   | Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen* | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 108-88-3   | Toluene   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 108-90-7   | Chlorobenzene / Monochlorobenzene                           | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 124-48-1   | Dibromochloromethane / Chlorodibromomethane                 | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 127-18-4   | Tetrachloroethylene / Tetrachloroethene / Perchloroethylen* | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 540-59-0   | 1,2-Dichloroethylenes (cis and trans isomers) / Acetylene * | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 56-23-5    | Carbon tetrachloride  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 591-78-6   | Methyl n-butyl ketone / 2-Hexanone                          | LT 5       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 67-64-1    | Acetone   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 67-66-3    | Chloroform  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 71-43-2    | Benzene   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 71-55-6    | 1,1,1-Trichloroethane                                       | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 74-83-9    | Bromomethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 74-87-3    | Chloromethane   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-00-3    | Chloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-01-4    | Vinyl chloride / Chloroethene                               | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-09-2    | Methylene chloride / Dichloromethane                        | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-15-0    | Carbon disulfide  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-25-2    | Bromoform   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-27-4    | Bromodichloromethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-34-3    | 1,1-Dichloroethane  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 75-35-4    | 1,1-Dichloroethylene / 1,1-Dichloroethene                   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 78-87-5    | 1,2-Dichloropropane   | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 78-93-3    | Methyl ethyl ketone / 2-Butanone                            | LT 15      | UGL V                |            |                |
|           |         |                  |       |             |               |     |              | 79-00-5    | 1,1,2-Trichloroethane                                       | LT 1       | UGL V                |            |                |

\* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report  
Installation :Fort Allen, Puerto Rico (FN)  
File Type: CGW  
Sampling Date Range: 01-JAN-75 28-JAN-97

10:30:02

| Site Type | Site ID | Field Sample No. | Depth | Sample Date | Lab | Lab Anly. No. | Meth/ Matrix | CAS No. | Analyte Description  | Me Bo Conc | Unit Flag Meas Codes | Data Quals | EPA Data Quals |
|-----------|---------|------------------|-------|-------------|-----|---------------|--------------|---------|--|------------|----------------------|------------|----------------|
| WELL      | WM#2    | WM#2             | 0.0   | 14-NOV-96   | RL  | 52614-01      | VMS1/W       | 79-01-6 | Trichloroethylene /Trichloroethene / Ethinyl trichloride /T* | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |     |               |              | 79-34-5 | Tetrachloroethane / 1,1,2,2-Tetrachloroethane / Acetylene *  | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |     |               |              |         | Xylenes, total combined                                      | LT 1       | UGL V                |            |                |
|           |         |                  |       |             |     |               |              |         | trans-1,3-Dichloropropene                                    | LT 1       | UGL V                |            |                |

\*\* End of Report - 122 Records Found \*\*

\* - Analyte Description has been truncated. See Data Dictionary

**IRDMIS FLAGGING CODES AND DATA QUALIFIERS**

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

| IRDMIS Record |           | IRDMIS Data Base |            |
|---------------|-----------|------------------|------------|
| Record Type   | Column(s) | DB Table(s)      | DB Column  |
| •             | 132       | chem/cqc         | flag_codes |
|               | 133       |                  |            |
|               | 134       |                  |            |
|               | 135       |                  |            |
|               | 136       |                  |            |
|               | 137       |                  |            |
|               | 138       |                  |            |
|               | 139       |                  |            |
|               |           | flag_qual_desc   | f_q_code   |

• Any valid chemical or radiological record type

### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Flagging Codes per record  
 flag\_qual\_desc: 1 Flagging Code per record

### ELEMENT DESCRIPTION:

Code assigned by the **Laboratory** to indicate other-than-usual analytical conditions or results.

### ACCEPTABLE CRITERIA:

**NOTE:** Flagging Codes marked with \* were changed effective 1 February 1993!  
 Flagging Codes marked with \*\* were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- \* A Analyte found in trip blank as well as in field samples. The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- B Analyte found in the method blank or QC blank as well as the sample. This Code is to be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
  - (1) If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
  - (2) If the analyte is detected in the QC blank, only the QC samples are to be flagged.
- C Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

## ACCEPTABLE CRITERIA: (CONT.)

- E No longer in use.
- F Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- \* G Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- \*\* H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- \* \*\* J Value is estimated because of one of the following conditions:
- Interferences in the sample (use Flagging Codes J and I)  
or  
The value is below the method detection level but above the  
instrumental detection level (use Flagging Codes J and P)  
or  
The value is above the upper reporting level of the method (use  
Flagging Codes J and X).
- This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.
- \* K Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- \* \*\* L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \* N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

## ACCEPTABLE CRITERIA: (CONT.)

- \* O No longer in use.
- \* P Value is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- \* Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
- R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
- S Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
- T Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
- V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
- W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- \*\* X Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- \* Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

ACCEPTABLE CRITERIA: (CONT.)

- \* Z Non-target compound analyzed for and detected. This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
- \* 1 Result less than the CRL but greater than the Criteria of Detection (COD). Can only be used for methods which were performance demonstrated under the 1990 QA Program.
- \* 2 Ending calibration not within acceptable limits. This Code is to be used for an analyte for which the ending calibration is still unacceptable after multiple attempts.
- \* 3 Internal standard(s) not within acceptable limits.
- \* \*\* 4 Analyte quantitated on the secondary column, when this is not the normal practice.
- \* \*\* 7 No longer in use after introduction of Version 5.2 of PC IRDMIS.
- \*\* 8 Analyte recovery outside of certified range but within acceptable limits. This Flagging Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- \*\* 9 Non-demonstrated/validated method performed for USAEC. This Code is to be used to identify Method 00 or NTAM data which was produced under contract to USAEC.

ACCEPTABLE ENTRIES:

- A Analyte found in trip blank as well as in field samples.
- B Analyte found in the method blank or QC blank as well as the sample.
- C Analysis was confirmed.
- D Duplicate analysis.
- F Sample filtered prior to analysis.
- G Analyte found in rinse blank as well as field sample.
- I Interferences in sample make quantitation and/or identification to be suspect.
- J Value is estimated.
- K Reported results are affected by interferences or high background.
- N Tentatively identified compound (match greater than 70%).
- P Results less than reporting level but greater than instrumental detection limit.
- Q Sample interference obscured peak of interest.
- R Non-target compound analyzed for but not detected (GC/MS methods).
- S Non-target compound analyzed for and detected (GC/MS methods).
- T Non-target compound analyzed for but not detected (non-GC/MS methods).
- U Analysis is unconfirmed.
- V Sample subjected to unusual storage/preservation conditions.

## ACCEPTABLE ENTRIES: (CONT.)

- W Single analyte required from a multi-analyte method.
- X Analyte concentration is above the upper reporting level.
- Y Tentatively identified compound (match less than 70%).
- Z Non-target compound analyzed for and detected (non-GC/MS methods).
- 1 Result less than CRL but greater than COD.
- 2 Ending calibration not within acceptable limits.
- 3 Internal standard(s) not within acceptable limits.
- 4 Analyte quantitated on the secondary column.
- 9 Non-demonstrated/validated method performed for USAEC.



ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

| IRDMIS Record |           | IRDMIS Data Base |             |
|---------------|-----------|------------------|-------------|
| Record Type   | Column(s) | DB Table(s)      | DB Column   |
| •             | 140       | chem/cqc         | data_qualis |
|               | 141       |                  |             |
|               | 142       |                  |             |
|               | 143       |                  |             |
|               | 144       |                  |             |
|               | 145       |                  |             |
|               | 146       |                  |             |
|               | 147       |                  |             |
|               |           | flag_qualis_desc | f_q_code    |

• Any valid chemical or radiological record type

### ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record: 1 upper-case alphabetical character, full field (as many as 8 per record)  
 IRDMIS Data Base: chem/cqc: as many as 8 Data Qualifiers per record  
 flag\_qualis\_desc: 1 Data Qualifier per record

### ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

### ACCEPTABLE CRITERIA:

- ? Control chart either not received or not yet approved by USAEC. This Qualifier is automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- I The low-spike recovery is high. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- J The low-spike recovery is low. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- K Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- L Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- M The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.

**ACCEPTABLE CRITERIA: (CONT.)**

- N The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- O Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- P High spike recoveries excessively different. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Q Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To be followed by number of surrogates failing criteria (1 - 9). To be used only for field samples. **(Formerly Flagging Code Q)**
- R Data is rejected and is not usable.

**ACCEPTABLE ENTRIES:**

- ? Control chart not yet approved by USAEC.
- 1-9 Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q)
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- K Missed holding time for extraction and preparation.
- L Missed holding time for sample analysis.
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- O Low spike recoveries excessively different.
- P High spike recoveries excessively different.
- Q Surrogate recovery outside of acceptable CLP limits (field samples only).
- R Data is rejected.



**QC SAMPLE RESULTS FROM IRDMIS**

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**ABB Environmental Services, Inc.**

Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit     |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|----------|
| ABB-ES     |                    | DRO                      | DRO          | DRAB | 25-NOV-96    | 09-DEC-96        | <     | 4 UGG    |
| ABB-ES     |                    | GPB1                     | PB           | PSDQ | 16-DEC-96    | 17-DEC-96        |       | 1.12 UGG |
| ABB-ES     |                    | GRO                      | GRO          | GRAB | 22-NOV-96    | 22-NOV-96        | <     | .5 UGG   |
| ABB-ES     |                    | GSE1                     | SE           | SSDQ | 16-DEC-96    | 17-DEC-96        | <     | 1 UGG    |
| ABB-ES     |                    | GTL1                     | TL           | TSDQ | 16-DEC-96    | 17-DEC-96        | <     | 2 UGG    |
| ABB-ES     |                    | HGC1                     | HG           | HSDH | 11-DEC-96    | 11-DEC-96        | <     | .2 UGG   |
| ABB-ES     |                    | ICM1                     | AS           | WSCK | 13-DEC-96    | 19-DEC-96        | <     | 1 UGG    |
| ABB-ES     |                    |                          | BE           | WSCK | 13-DEC-96    | 19-DEC-96        | <     | .2 UGG   |
| ABB-ES     |                    |                          | CD           | WSCK | 13-DEC-96    | 19-DEC-96        | <     | .2 UGG   |
| ABB-ES     |                    |                          | SB           | WSCK | 13-DEC-96    | 19-DEC-96        | <     | .2 UGG   |
| ABB-ES     |                    | ICP1                     | AG           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 2 UGG    |
| ABB-ES     |                    |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 628 UGG  |
| ABB-ES     |                    |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 613 UGG  |
| ABB-ES     |                    |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 480 UGG  |
| ABB-ES     |                    |                          | AL           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 433 UGG  |
| ABB-ES     |                    |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 40 UGG   |
| ABB-ES     |                    |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 40 UGG   |
| ABB-ES     |                    |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 40 UGG   |
| ABB-ES     |                    |                          | BA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 40 UGG   |
| ABB-ES     |                    |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1000 UGG |
| ABB-ES     |                    |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1000 UGG |
| ABB-ES     |                    |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1000 UGG |
| ABB-ES     |                    |                          | CA           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1000 UGG |
| ABB-ES     |                    |                          | CO           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 10 UGG   |
| ABB-ES     |                    |                          | CR           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 3 UGG    |
| ABB-ES     |                    |                          | CU           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 5 UGG    |
| ABB-ES     |                    |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1060 UGG |
| ABB-ES     |                    |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | <     | 1050 UGG |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|------|
| ABB-ES     |                    | ICP1                     | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 1030  | UGG  |
| ABB-ES     |                    |                          | FE           | ISCV | 23-DEC-96    | 26-DEC-96        | 758   | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | K            | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MG           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 34.5  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 25.7  | UGG  |
| ABB-ES     |                    |                          | MN           | ISCV | 23-DEC-96    | 26-DEC-96        | 24    | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 22.2  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | NA           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | NI           | ISCV | 23-DEC-96    | 26-DEC-96        | 1000  | UGG  |
| ABB-ES     |                    |                          | V            | ISCV | 23-DEC-96    | 26-DEC-96        | 8     | UGG  |
| ABB-ES     |                    |                          | ZN           | ISCV | 23-DEC-96    | 26-DEC-96        | 10    | UGG  |
| ABB-ES     |                    |                          |              | ISCV | 23-DEC-96    | 26-DEC-96        | 4     | UGG  |
| ABB-ES     |                    | SNV2                     | 12DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 12DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 13DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 13DCLB       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 245TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |
| ABB-ES     |                    |                          | 245TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |
| ABB-ES     |                    |                          | 246TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 246TCP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DCLP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DCLP       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DMPN       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          | 24DMPN       | BSBS | 25-NOV-96    | 16-DEC-96        | .33   | UGG  |
| ABB-ES     |                    |                          |              | BSBS | 25-NOV-96    | 16-DEC-96        | .8    | UGG  |

## METHOD BLANKS (SOIL)

**IRDMIS**

| Contractor | Method Description | Method Code | Test Name | Lot  | Prep Date | Analysis Date | Value | Unit |
|------------|--------------------|-------------|-----------|------|-----------|---------------|-------|------|
| ABB-ES     |                    | SMV2        | 26QNP     | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 26ONT     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 26NT      | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2CNAP     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2CNAP     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2HNAP     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2HNAP     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 2NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 2NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 2NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 33DCBD    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 33DCBD    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 3NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 3NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 46DN2C    | BSBS | 25-NOV-96 | 16-DEC-96     | 1     | UGG  |
| ABB-ES     |                    |             | 46DN2C    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4BRPPE    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4BRPPE    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4CAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4CAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4CLPPE    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4CLPPE    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | 4NP       | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 4NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .8    | UGG  |
| ABB-ES     |                    |             | 4NAN1L    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | ANAPYL    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | ANAPYL    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | ANTRC     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | ANTRC     | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | B2CEXM    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |
| ABB-ES     |                    |             | B2CEXM    | BSBS | 25-NOV-96 | 16-DEC-96     | .33   | UGG  |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit    |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|---------|
| ABB-ES     |                    | SMV2                     | B2C1PE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2C1PE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2C1EE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2C1EE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2EMP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | B2EMP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BAANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BAANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BAPYR        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BAPYR        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BBFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BBFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BBZP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BBZP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | BGH1PY       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .6 UGG  |
| ABB-ES     |                    |                          | BGH1PY       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .6 UGG  |
| ABB-ES     |                    |                          | BKFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | BKFANT       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | CARBZ        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CARBZ        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CHRY         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CHRY         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6BZ        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6BZ        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6CP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6CP        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6ET        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | CL6ET        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DBANA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .6 UGG  |
| ABB-ES     |                    |                          | DBANA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .6 UGG  |
| ABB-ES     |                    |                          | DBZFLR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DBZFLR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DEP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DEP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DMP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |



Table: Appendix K

## METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit    |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|---------|
| ABB-ES     |                    | SMV2                     | DNP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | DNOP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | DNOP         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | FANT         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FANT         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FLRENE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | FLRENE       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | HC80         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | HC80         | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ICDPYR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | ICDPYR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .5 UGG  |
| ABB-ES     |                    |                          | ISOPHR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | ISOPHR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NAP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NAP          | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NB           | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NB           | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NNDPA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | NNDPA        | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | PHANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | PHANTR       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | UNK339       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | UNK339       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .33 UGG |
| ABB-ES     |                    |                          | UNK606       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 2 UGG   |
| ABB-ES     |                    |                          | UNK606       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 2 UGG   |
| ABB-ES     |                    |                          | UNK614       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .1 UGG  |
| ABB-ES     |                    |                          | UNK614       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .1 UGG  |
| ABB-ES     |                    |                          | UNK615       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .09 UGG |
| ABB-ES     |                    |                          | UNK615       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 7 UGG   |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | 5 UGG   |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .4 UGG  |
| ABB-ES     |                    |                          | UNK623       | BSBS | 25-NOV-96    | 16-DEC-96        | <     | .3 UGG  |

Table: Appendix K  
METHOD BLANKS (SOIL)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot   | Prep<br>Date | Analysis<br>Date | Value | Unit |
|------------|--------------------|--------------------------|--------------|-------|--------------|------------------|-------|------|
| ABB-ES     |                    | SNV2                     | UNK630       | BSBS  | 25-NOV-96    | 16-DEC-96        | .1    | UGG  |
| ABB-ES     |                    |                          | UNK630       | BSBS  | 25-NOV-96    | 16-DEC-96        | .07   | UGG  |
| ABB-ES     |                    |                          | UNK632       | BSBS  | 25-NOV-96    | 16-DEC-96        | .07   | UGG  |
| ABB-ES     |                    |                          | UNK637       | BSBS  | 25-NOV-96    | 16-DEC-96        | .9    | UGG  |
| ABB-ES     |                    |                          | UNK637       | BSBS  | 25-NOV-96    | 16-DEC-96        | .7    | UGG  |
| ABB-ES     |                    | DRO                      | DRO          | DRAC  | 25-NOV-96    | 26-NOV-96        | 100   | UGL  |
| ABB-ES     |                    |                          | DRO          | DRAD  | 09-DEC-96    | 10-DEC-96        | 100   | UGL  |
| ABB-ES     |                    | GP81                     | P8           | PA0F  | 10-DEC-96    | 11-DEC-96        | 3     | UGL  |
| ABB-ES     |                    |                          | P8           | PA0G  | 11-DEC-96    | 12-DEC-96        | 3     | UGL  |
| ABB-ES     |                    | GRO                      | GRO          | GRAC  | 21-NOV-96    | 21-NOV-96        | 10    | UGL  |
| ABB-ES     |                    |                          | GRO          | GRAD  | 06-DEC-96    | 06-DEC-96        | 10    | UGL  |
| ABB-ES     |                    | GSE1                     | SE           | SAD0F | 10-DEC-96    | 11-DEC-96        | 5     | UGL  |
| ABB-ES     |                    |                          | SE           | SAD0G | 11-DEC-96    | 12-DEC-96        | 5     | UGL  |
| ABB-ES     |                    | GTL1                     | TL           | TAD0F | 10-DEC-96    | 11-DEC-96        | 10    | UGL  |
| ABB-ES     |                    |                          | TL           | TAD0G | 11-DEC-96    | 12-DEC-96        | 10    | UGL  |
| ABB-ES     |                    | HGC1                     | HG           | HAC0Q | 09-DEC-96    | 10-DEC-96        | .2    | UGL  |
| ABB-ES     |                    |                          | HG           | HAC0R | 09-DEC-96    | 10-DEC-96        | .2    | UGL  |
| ABB-ES     |                    | ICM1                     | AS           | WABL  | 10-DEC-96    | 17-DEC-96        | 5     | UGL  |
| ABB-ES     |                    |                          | AS           | WABM  | 11-DEC-96    | 17-DEC-96        | 5     | UGL  |
| ABB-ES     |                    |                          | BE           | WABL  | 10-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    |                          | BE           | WABM  | 11-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    |                          | CD           | WABL  | 10-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    |                          | CD           | WABM  | 11-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    |                          | SB           | WABL  | 10-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    |                          | SB           | WABM  | 11-DEC-96    | 17-DEC-96        | 1     | UGL  |
| ABB-ES     |                    | ICP2                     | AG           | IAD0K | 10-DEC-96    | 12-DEC-96        | 10    | UGL  |
| ABB-ES     |                    |                          | AG           | IAD0L | 11-DEC-96    | 12-DEC-96        | 10    | UGL  |

Table: Appendix K

## METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value Unit |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|------------|
| ABB-ES     |                    | ICP2                     | AL           | IADK | 10-DEC-96    | 12-DEC-96        | 200 UGL    |
| ABB-ES     |                    |                          | AL           | IADL | 11-DEC-96    | 12-DEC-96        | 200 UGL    |
| ABB-ES     |                    |                          | BA           | IADK | 10-DEC-96    | 12-DEC-96        | 200 UGL    |
| ABB-ES     |                    |                          | BA           | IADL | 11-DEC-96    | 12-DEC-96        | 200 UGL    |
| ABB-ES     |                    |                          | CA           | IADK | 10-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | CA           | IADL | 11-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | CO           | IADK | 10-DEC-96    | 12-DEC-96        | 50 UGL     |
| ABB-ES     |                    |                          | CO           | IADL | 11-DEC-96    | 12-DEC-96        | 50 UGL     |
| ABB-ES     |                    |                          | CR           | IADK | 10-DEC-96    | 12-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | CR           | IADL | 11-DEC-96    | 12-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | CU           | IADK | 10-DEC-96    | 12-DEC-96        | 25 UGL     |
| ABB-ES     |                    |                          | CU           | IADL | 11-DEC-96    | 12-DEC-96        | 25 UGL     |
| ABB-ES     |                    |                          | FE           | IADK | 10-DEC-96    | 12-DEC-96        | 100 UGL    |
| ABB-ES     |                    |                          | FE           | IADL | 11-DEC-96    | 12-DEC-96        | 100 UGL    |
| ABB-ES     |                    |                          | K            | IADK | 10-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | K            | IADL | 11-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | MG           | IADK | 10-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | MG           | IADL | 11-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | MN           | IADK | 10-DEC-96    | 12-DEC-96        | 15 UGL     |
| ABB-ES     |                    |                          | MN           | IADL | 11-DEC-96    | 12-DEC-96        | 15 UGL     |
| ABB-ES     |                    |                          | NA           | IADK | 10-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | NA           | IADL | 11-DEC-96    | 12-DEC-96        | 5000 UGL   |
| ABB-ES     |                    |                          | NI           | IADK | 10-DEC-96    | 12-DEC-96        | 40 UGL     |
| ABB-ES     |                    |                          | NI           | IADL | 11-DEC-96    | 12-DEC-96        | 40 UGL     |
| ABB-ES     |                    |                          | V            | IADK | 10-DEC-96    | 12-DEC-96        | 50 UGL     |
| ABB-ES     |                    |                          | V            | IADL | 11-DEC-96    | 12-DEC-96        | 50 UGL     |
| ABB-ES     |                    |                          | ZN           | IADK | 10-DEC-96    | 12-DEC-96        | 20 UGL     |
| ABB-ES     |                    |                          | ZN           | IADL | 11-DEC-96    | 12-DEC-96        | 20 UGL     |
| ABB-ES     |                    | SMV1                     | 12DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | 12DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |
| ABB-ES     |                    |                          | 12DCLB       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | 12DCLB       | BAEB | 09-DEC-96    | 18-DEC-96        | 10 UGL     |
| ABB-ES     |                    |                          | 13DCLB       | BAEA | 21-NOV-96    | 27-NOV-96        | 10 UGL     |

**FT. ALLEN**

| Contractor |  | Method Description | IRDMIS Method Code | Test Name | Lot       | Prep Date | Analysis Date | Value  | Unit   |
|------------|--|--------------------|--------------------|-----------|-----------|-----------|---------------|--------|--------|
| ABB-ES     |  |                    | SMV1               | 13DCLB    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 13DCLB    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 245TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 25 UGL |
| ABB-ES     |  |                    |                    | 245TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 25 UGL |
| ABB-ES     |  |                    |                    | 245TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 25 UGL |
| ABB-ES     |  |                    |                    | 245TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 25 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEA      | 21-NOV-96 | 27-NOV-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    |                    | 246TCP    | BAEB      | 09-DEC-96 | 18-DEC-96     | <      | 10 UGL |
| ABB-ES     |  |                    | 246TCP             | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |
| ABB-ES     |  |                    | 246TCP             | BAEA      | 21-NOV-96 | 27-NOV-96 | <             | 10 UGL |        |

**FT. ALLEN**

| Contractor Method Description |      | Test Name | Prep Date      | Analysis Date | Value Unit |        |
|-------------------------------|------|-----------|----------------|---------------|------------|--------|
| IRDMIS Method Code            | SMV1 | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 25 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEA 21-NOV-96 | 27-NOV-96     | <          | 10 UGL |
|                               |      | ABB-ES    | BAEB 09-DEC-96 | 18-DEC-96     | <          | 10 UGL |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|--------|
| ABB-ES     |                    | SW1                      | 4MP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4MP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4MP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4MP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | 4MANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 4MANIL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 4MANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | 4MANIL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 25 UGL |
| ABB-ES     |                    |                          | ANAPYL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANAPYL       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANAPYL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANAPYL       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANTRC        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANTRC        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANTRC        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ANTRC        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCEOH       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCEOH       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCEOH       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCEOH       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCIPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCIPE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCIPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCIPE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCLEE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCLEE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCLEE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZCLEE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BZEHP        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 35 UGL |
| ABB-ES     |                    |                          | BZEHP        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 35 UGL |
| ABB-ES     |                    |                          | BZEHP        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 35 UGL |
| ABB-ES     |                    |                          | BZEHP        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 35 UGL |
| ABB-ES     |                    |                          | BAANTR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAANTR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |

Table: Appendix K

## METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|--------|
| ABB-ES     |                    | SMV1                     | BAANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAPYR        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAPYR        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAPYR        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BAPYR        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBFANT       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBFANT       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBFANT       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBFANT       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBZP         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBZP         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBZP         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BBZP         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BGHTPY       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BGHTPY       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BGHTPY       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BGHTPY       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BKFANT       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BKFANT       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BKFANT       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | BKFANT       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CARBZ        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CARBZ        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CARBZ        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CARBZ        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CHRY         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CHRY         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CHRY         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CHRY         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL68Z        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL68Z        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL68Z        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL68Z        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL6CP        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | CL6CP        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |

**FT. ALLEN**

| Contractor Method Description |  | IRMIS Method Code | Test Name | Lot  | Prep Date | Analysis Date | Value Unit |
|-------------------------------|--|-------------------|-----------|------|-----------|---------------|------------|
| A8B-ES                        |  | SNV1              | CLGP      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | CLGP      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | CLGET     | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | CLGET     | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | CLGET     | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | CLGET     | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIA     | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIA     | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIA     | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIFUR   | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIFUR   | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIFUR   | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DBAIFUR   | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DEP       | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DEP       | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DEP       | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DEP       | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNP       | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNP       | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNP       | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNP       | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNBP      | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNBP      | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNBP      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNBP      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNOP      | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | DNOP      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | FANT      | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | FANT      | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |
| A8B-ES                        |  |                   | FANT      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | FANT      | BAEB | 09-DEC-96 | 18-DEC-96     | < 10 UGL   |
| A8B-ES                        |  |                   | FLRENE    | BAEA | 21-NOV-96 | 27-NOV-96     | < 10 UGL   |



Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|--------|
| ABB-ES     |                    | SMV1                     | FLRENE       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | FLRENE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | FLRENE       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | HCB0         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | HCB0         | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | HCB0         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | HCB0         | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ICDPYR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ICDPYR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ICDPYR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ICDPYR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ISOPHR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ISOPHR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ISOPHR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | ISOPHR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NAP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NAP          | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NAP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NAP          | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NB           | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NB           | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NB           | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NB           | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NNDPA        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NNDPA        | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NNDPA        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | NNDPA        | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | PHANTR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | PHANTR       | BAEA | 21-NOV-96    | 27-NOV-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | PHANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    |                          | PHANTR       | BAEB | 09-DEC-96    | 18-DEC-96        | <     | 10 UGL |
| ABB-ES     |                    | VMS1                     | 11TICE       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | 11TICE       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | 11TICE       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |

## METHOD BLANKS (WATER)

**IRDMIS**

| Contractor | Method Description | Test Method Code | Test Name      | Lot Date | Prep Date | Analysis Date | Value Unit |
|------------|--------------------|------------------|----------------|----------|-----------|---------------|------------|
| A8B-ES     | VMS1               | 111TCE           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 112TCE           | VAFV 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 112TCE           | VAFW 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 112TCE           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 112TCE           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 11DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCE            | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCLP           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCLP           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCLP           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | 12DCLP           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | ACET             | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | ACET             | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | ACET             | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 5 UGL      |
| A8B-ES     | BRODCM             | BRODCM           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 5 UGL      |
| A8B-ES     | BRODCM             | BRODCM           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 5 UGL      |
| A8B-ES     | BRODCM             | BRODCM           | VAFX 06-DEC-96 | <        | 14-DEC-96 | <             | 1 UGL      |
| A8B-ES     | C13DCP             | C13DCP           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     | C13DCP             | C13DCP           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |
| A8B-ES     |                    | C13DCP           | VAFU 12-DEC-96 | <        | 12-DEC-96 | <             | 1 UGL      |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit  |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|-------|
| ABB-ES     |                    | VNS1                     | C130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H3CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C2H5CL       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | C6H6         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CCL4         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH2CL2       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3BR        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CH3CL        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHBR3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     |                    |                          | CHCL3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit   |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|--------|
| ABB-ES     |                    | VMS1                     | CHCL3        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CHCL3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CHCL3        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CLOSHS       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CLOSHS       | VAFX | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CLOSHS       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CLOSHS       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CS2          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CS2          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CS2          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | CS2          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | DBRCLM       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | DBRCLM       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | DBRCLM       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | DBRCLM       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | ETOSH5       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | ETOSH5       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | ETOSH5       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | ETOSH5       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | MEOSH5       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | MEOSH5       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | MEOSH5       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL  |
| ABB-ES     |                    |                          | MEK          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 15 UGL |
| ABB-ES     |                    |                          | MEK          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 15 UGL |
| ABB-ES     |                    |                          | MEK          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 15 UGL |
| ABB-ES     |                    |                          | MEK          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 15 UGL |
| ABB-ES     |                    |                          | MIK          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIK          | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIK          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIK          | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIBK         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIBK         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIBK         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 5 UGL  |
| ABB-ES     |                    |                          | MIBK         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 5 UGL  |

Table: Appendix K  
METHOD BLANKS (WATER)

FT. ALLEN

| Contractor | Method Description | IRDMIS<br>Method<br>Code | Test<br>Name | Lot  | Prep<br>Date | Analysis<br>Date | Value | Unit  |
|------------|--------------------|--------------------------|--------------|------|--------------|------------------|-------|-------|
| ABB-ES     | -----              | VMS1                     | STYR         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | STYR         | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | STYR         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | STYR         | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | T130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | T130CP       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | T130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | T130CP       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEA        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEA        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEA        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TCLEE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TRCLE        | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TRCLE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TRCLE        | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TXYLEN       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TXYLEN       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | TXYLEN       | VAFX | 06-DEC-96    | 14-DEC-96        | <     | 1 UGL |
| ABB-ES     | -----              |                          | UNK273       | VAFW | 12-DEC-96    | 12-DEC-96        | <     | 1 UGL |

Table: Appendix K

## TRIP BLANKS

FT. ALLEN

| Contractor | IRDMIS Method Code | Test Lot Name | IRDMIS Field Sample Number | Lab Number | Sample Date | Prep Date | Analysis Date | Value | Unit   | IRDMIS Site ID |
|------------|--------------------|---------------|----------------------------|------------|-------------|-----------|---------------|-------|--------|----------------|
| ABB-ES     | VMS1               | VAFW 11TICE   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 112TCE   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 11DCE    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 11DCL    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 12DCE    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 12DCL    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW 12DCLP   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 5 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW ACET     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW BRDCLM   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW C13DOP   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW C2H3CL   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW C2H5CL   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW C4H6     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CCL4     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CH2CL2   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CH3BR    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CH3CL    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CH4R3    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CHCL3    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CLC4H5   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW CS2      | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW DBRCLM   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW ETC4H5   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW MEC4H5   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW MEK      | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 15 UGL | TRIP-2         |
| ABB-ES     |                    | VAFW MIBK     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 5 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW MIBK     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 5 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW STYR     | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW T13DOP   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW TCLEA    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW TCLEE    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW TACLE    | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW TATYLEN  | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |
| ABB-ES     |                    | VAFW UMR262   | TRIP-2                     | 52056-06   | 04-DEC-96   | 06-DEC-96 | 12-DEC-96     | <     | 1 UGL  | TRIP-2         |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|------|
| ABB-ES     |                    | DRO                | RNSWSS01       | RNSWSS01                   | 52680-02   | DRO       | DRAC | 19-NOV-96   | 26-NOV-96     | 348   | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | DRO       | DRAC | 04-DEC-96   | 10-DEC-96     | 105   | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | DRO       | DRAC | 19-NOV-96   | 26-NOV-96     | 100   | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | DRO       | DRAC | 18-NOV-96   | 26-NOV-96     | 100   | UGL  |
| ABB-ES     |                    |                    | RNSWM01        | RNSWM01                    | 52856-05   | DRO       | DRAC | 03-DEC-96   | 10-DEC-96     | 100   | UGL  |
| ABB-ES     |                    | GPB1               | RNSWSB01       | RNSWSB01                   | 52680-03   | PB        | PADF | 18-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | PB        | PADF | 19-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | PB        | PADF | 19-NOV-96   | 11-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWM01        | RNSWM01                    | 52856-05   | PB        | PADG | 03-DEC-96   | 12-DEC-96     | 3     | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | PB        | PADG | 04-DEC-96   | 12-DEC-96     | 3     | UGL  |
| ABB-ES     |                    | GRO                | RNSWSB01       | RNSWSB01                   | 52680-03   | GRO       | GRAC | 18-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | GRO       | GRAC | 19-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | GRO       | GRAC | 19-NOV-96   | 21-NOV-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWM01        | RNSWM01                    | 52856-05   | GRO       | GRAD | 03-DEC-96   | 06-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | GRO       | GRAD | 04-DEC-96   | 06-DEC-96     | 10    | UGL  |
| ABB-ES     |                    | GSE1               | RNSWSS01       | RNSWSS01                   | 52680-02   | SE        | SADF | 19-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | SE        | SADF | 18-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | SE        | SADF | 19-NOV-96   | 11-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWM01        | RNSWM01                    | 52856-05   | SE        | SADG | 03-DEC-96   | 12-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | SE        | SADG | 04-DEC-96   | 12-DEC-96     | 5     | UGL  |
| ABB-ES     |                    | GTL1               | RNSWSB01       | RNSWSB01                   | 52680-03   | TL        | TADF | 18-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | TL        | TADF | 19-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | TL        | TADF | 19-NOV-96   | 11-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWM01        | RNSWM01                    | 52856-05   | TL        | TADG | 03-DEC-96   | 12-DEC-96     | 10    | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | TL        | TADG | 04-DEC-96   | 12-DEC-96     | 10    | UGL  |
| ABB-ES     |                    | HGC1               | RNSWM01        | RNSWM01                    | 52856-05   | HG        | HACR | 03-DEC-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | HG        | HACQ | 18-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWM02        | RNSWM02                    | 52856-07   | HG        | HACR | 04-DEC-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | HG        | HACQ | 19-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | HG        | HACQ | 19-NOV-96   | 10-DEC-96     | .2    | UGL  |
| ABB-ES     |                    | ICM1               | RNSWM01        | RNSWM01                    | 52856-05   | AS        | WABM | 03-DEC-96   | 17-DEC-96     | 5     | UGL  |
| ABB-ES     |                    |                    | RNSWSS01       | RNSWSS01                   | 52680-02   | AS        | WABL | 19-NOV-96   | 17-DEC-96     | 5     | UGL  |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|--------------------|--------------------|----------------|----------------------|------------|-----------|------|-------------|---------------|-------|----------|
| ABB-ES     |                    | ICN1               | RNSLSB02       | RNSLSB02             | 52680-01   | AS        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-03   | AS        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-07   | AS        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 5 UGL    |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52656-05   | BE        | WABH | 03-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-03   | BE        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-01   | BE        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52680-02   | BE        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-07   | BE        | WABH | 03-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-05   | CD        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-01   | CD        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52680-02   | CD        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-07   | CD        | WABH | 03-DEC-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-03   | CD        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-05   | S8        | WABL | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52680-03   | S8        | WABL | 18-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52680-01   | S8        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-02   | S8        | WABL | 19-NOV-96   | 17-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52656-07   | S8        | WABH | 04-DEC-96   | 18-DEC-96     | <     | 1 UGL    |
| ABB-ES     |                    | ICP2               | RNSLSA01       | RNSLSA01             | 52656-05   | AG        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-03   | AG        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-07   | AG        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-01   | AG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52680-02   | AG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-01   | AL        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 893 UGL  |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-03   | AL        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52656-05   | AL        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-07   | AL        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-02   | AL        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-03   | BA        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52656-07   | BA        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52680-01   | BA        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-02   | BA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 200 UGL  |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-05   | CA        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSLSA01       | RNSLSA01             | 52680-03   | CA        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSLSA02       | RNSLSA02             | 52656-05   | CA        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSLSB01       | RNSLSB01             | 52680-01   | CA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSLSB02       | RNSLSB02             | 52680-02   | CA        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |



Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|----------|
| ABB-ES     | ICP2               | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | CA        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | CO        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-01   | CO        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-02   | CO        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | CO        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-03   | CO        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-01   | CR        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10.4 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-03   | CR        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | CR        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | CR        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-02   | CU        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | CU        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-03   | CU        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-02   | CU        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-01   | CU        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-07   | CU        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 25 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-03   | FE        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 1120 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-01   | FE        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-05   | FE        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-02   | FE        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | FE        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 100 UGL  |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | K         | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-03   | K         | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-02   | K         | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | K         | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-07   | MG        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-01   | MG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | MG        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-03   | MG        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52680-02   | MG        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-01   | MN        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 49.6 UGL |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | MN        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-03   | MN        | IADK | 18-NOV-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-07   | MN        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52680-02   | MN        | IADK | 19-NOV-96   | 12-DEC-96     | <     | 15 UGL   |
| ABB-ES     |                    | RNSM01             | RNSM01         | RNSM01                     | 52856-05   | NA        | IADL | 03-DEC-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    | RNSM02             | RNSM02         | RNSM02                     | 52856-07   | NA        | IADL | 04-DEC-96   | 12-DEC-96     | <     | 5000 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IROMIS Method Code | IROMIS Site ID | IROMIS Field Sample Number | Lab Number      | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit     |
|------------|--------------------|--------------------|----------------|----------------------------|-----------------|-----------|------|-------------|---------------|-------|----------|
| ABB-ES     |                    | ICP2               | RNSUS801       | RNSUS801                   | 52680-03 NA     |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-01 NA     |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-02 NA     |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 5000 UGL |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-05 NI     |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-07 NI     |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-03 NI     |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-01 NI     |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-02 NI     |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 40 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-03 V      |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-01 V      |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-02 V      |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 50 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-05 ZN     |           | IADL | 03-DEC-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-07 ZN     |           | IADL | 04-DEC-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-03 ZN     |           | IADK | 18-NOV-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-01 ZN     |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-02 ZN     |           | IADK | 19-NOV-96   | 12-DEC-96     | <     | 20 UGL   |
| ABB-ES     |                    | SNV1               | RNSUS802       | RNSUS802                   | 52680-01 124TCB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-03 124TCB |           | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-02 124TCB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-05 124TCB |           | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-07 124TCB |           | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-01 120CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-03 120CLB |           | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-02 120CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-05 120CLB |           | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-07 120CLB |           | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-01 130CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-03 130CLB |           | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-02 130CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-05 130CLB |           | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-07 140CLB |           | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-01 140CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-03 140CLB |           | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS801       | RNSUS801                   | 52680-02 140CLB |           | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL   |
| ABB-ES     |                    |                    | RNSUS802       | RNSUS802                   | 52680-05 140CLB |           | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL   |

Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SMV1               | RNSMHW02       | RNSMHW02                   | 52856-07   | 14DCLB    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 245TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 245TCP    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 245TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 245TCP    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 245TCP    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 246TCP    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 246TCP    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 246TCP    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 246TCP    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 240CLP    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 240CLP    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 240CLP    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 240CLP    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 240CLP    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 240MPN    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 240MPN    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 240MPN    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 240MPN    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 240NP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 240NP     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 240NP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 240NP     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 240NP     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 240NT     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 240NT     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 240NT     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 240NT     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 240NT     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 260NT     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 260NT     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-02   | 260NT     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW01       | RNSMHW01                   | 52856-05   | 260NT     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMHW02       | RNSMHW02                   | 52856-07   | 260NT     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 2CLP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 2CLP      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Code | Method Description | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|-------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     | SNV1        |                    | RNSJSS01       | RNSJSS01                   | 52680-02   | 2CLP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2CLP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2CLP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 2CHAP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-02   | 2CHAP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 2CHAP     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2CHAP     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2CHAP     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 2MAP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 2MAP      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-02   | 2MAP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2MAP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2MAP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 2MP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 2MP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2MP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2MP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 2NAMIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 2NAMIL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2NAMIL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2NAMIL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 2MP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 2MP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 2MP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 2MP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 330CB0    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 330CB0    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 330CB0    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 330CB0    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |             |                    | RNSJSS02       | RNSJSS02                   | 52680-01   | 3NAMIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJSS01       | RNSJSS01                   | 52680-03   | 3NAMIL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJMA01       | RNSJMA01                   | 52656-05   | 3NAMIL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |             |                    | RNSJMA02       | RNSJMA02                   | 52656-07   | 3NAMIL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |

Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SMV1               | RNSWSB02       | RNSWSB02                   | 52680-01   | 46DN2C    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 46DN2C    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 46DN2C    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 46DN2C    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 46DN2C    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4BRPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4BRPPE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4BRPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4BRPPE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4BRPPE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4CANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4CANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4CANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4CANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4CL3C     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CL3C     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4CL3C     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4CL3C     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4CL3C     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4CLPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4CLPPE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4CLPPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4CLPPE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4CLPPE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4NP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4NP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4NP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4NP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NANIL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | 4NANIL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMMW01       | RNSMMW01                   | 52856-05   | 4NANIL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMMW02       | RNSMMW02                   | 52856-07   | 4NANIL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB02       | RNSWSB02                   | 52680-01   | 4NP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSWSB01       | RNSWSB01                   | 52680-03   | 4NP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SMV1               | RNSMA01        | RNSMA01                    | 52856-05   | ANP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | ANP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | ANAPNE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | ANAPNE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | ANAPNE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | ANAPNE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | ANAPNE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | ANAPYL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | ANAPYL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | ANAPYL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | ANAPYL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | ANAPYL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | ANTRC     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | ANTRC     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | ANTRC     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | ANTRC     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | ANTRC     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | B2CEM     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | B2CEM     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | B2CEM     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | B2CEM     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | B2CEM     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | B2CIPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | B2CIPE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | B2CIPE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | B2CIPE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | B2CIPE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | B2CLEE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | B2CLEE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | B2CLEE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | B2CLEE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | B2CLEE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | B2ENP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | B2ENP     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | B2ENP     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSMA01        | RNSMA01                    | 52856-05   | B2ENP     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSMA02        | RNSMA02                    | 52856-07   | B2ENP     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 35 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | BAANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |

Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SMV1               | RNSH801        | RNSH801                    | 52680-03   | BAANTR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | BAANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | BAANTR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | BAANTR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | BAPYR     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | BAPYR     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | BAPYR     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | BAPYR     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | BAPYR     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | BBFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | BBFANT    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | BBFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | BBFANT    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | BBFANT    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | BBZP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | BBZP      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | BBZP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | BBZP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | BBZP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | BGHIPI    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | BGHIPI    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | BGHIPI    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | BGHIPI    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | BGHIPI    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | BKFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | BKFANT    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-07   | BKFANT    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-05   | BKFANT    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-01   | CARBZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | CARBZ     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | CARBZ     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52856-05   | CARBZ     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52680-01   | CHRY      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-03   | CHRY      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH801        | RNSH801                    | 52680-02   | CHRY      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSH802        | RNSH802                    | 52856-07   | CHRY      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |

## RINSE BLANKS

**FT. ALLEN**

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SNV1               | RNSJMA01       | RNSJMA01                   | 52856-05   | CHRY      | BAEB | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | CL68Z     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | CL68Z     | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | CL68Z     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL68Z     | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | CL68Z     | BAEB | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | CL6CP     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | CL6CP     | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | CL6CP     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL6CP     | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | CL6ET     | BAEA | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | CL6ET     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | CL6ET     | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | CL6ET     | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-05   | CL6ET     | BAEB | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | DRAWA     | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | DRAWA     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DRAWA     | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DRAWA     | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | DZFLUR    | BAEA | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | DZFLUR    | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DZFLUR    | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DZFLUR    | BAEB | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | DEP       | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | DEP       | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52680-01   | DEP       | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-07   | DEP       | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-02   | DMP       | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | DMP       | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | DMP       | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA02       | RNSJMA02                   | 52856-07   | DMP       | BAEB | 04-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJMA01       | RNSJMA01                   | 52856-05   | DMP       | BAEB | 03-DEC-96   | 13-DEC-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS801       | RNSJS801                   | 52680-03   | DNBP      | BAEA | 18-NOV-96   | 27-NOV-96     |       | 10 UGL |
| ABB-ES     |                    |                    | RNSJS802       | RNSJS802                   | 52680-01   | DNBP      | BAEA | 19-NOV-96   | 27-NOV-96     |       | 10 UGL |



Table: Appendix K

RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SMV1               | RNSWS01        | RNSWS01                    | 52680-02   | DNBP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-07   | DNBP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-05   | DNBP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-03   | DNBP      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | DNBP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-01   | DNBP      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-07   | DNBP      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-05   | DNBP      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-03   | FANT      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-02   | FANT      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-01   | FANT      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-07   | FANT      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-05   | FANT      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-03   | FLRENE    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | FLRENE    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-05   | FLRENE    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-07   | FLRENE    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-01   | HCB0      | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | HCB0      | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-07   | HCB0      | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-05   | HCB0      | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-03   | ICDPYR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | ICDPYR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-07   | ICDPYR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-05   | ICDPYR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-01   | ISOPHR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-02   | ISOPHR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-01   | ISOPHR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-07   | ISOPHR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-05   | ISOPHR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-03   | NAP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52680-02   | NAP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52680-01   | NAP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS02        | RNSWS02                    | 52856-07   | NAP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSWS01        | RNSWS01                    | 52856-05   | NAP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |

Table: Appendix K

## RINSE BLANKS

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Test Name | Lot  | Sample Date | Analysis Date | Value | Unit   |
|------------|--------------------|--------------------|----------------|----------------------------|------------|-----------|------|-------------|---------------|-------|--------|
| ABB-ES     |                    | SNV1               | RNSMS801       | RNSMS801                   | 52680-03   | NB        | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | NB        | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | NB        | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-07   | NB        | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-05   | NB        | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-03   | NDMPA     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-02   | NDMPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-01   | NDMPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | NDMPA     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | NDMPA     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | NDMPA     | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | NDMPA     | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | NDMPA     | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | NDMPA     | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | PCP       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | PCP       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | PCP       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | PCP       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 25 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | PHANTR    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | PHANTR    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | PHANTR    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | PHANTR    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | PHENOL    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | PHENOL    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | PHENOL    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | PHENOL    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | PYR       | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | PYR       | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | PYR       | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | PYR       | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 10 UGL |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-03   | UNK337    | BAEA | 18-NOV-96   | 27-NOV-96     | <     | 2 UGL  |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-02   | UNK363    | BAEA | 19-NOV-96   | 27-NOV-96     | <     | 3 UGL  |
| ABB-ES     |                    |                    | RNSMS801       | RNSMS801                   | 52680-07   | UNK363    | BAEB | 04-DEC-96   | 13-DEC-96     | <     | 2 UGL  |
| ABB-ES     |                    |                    | RNSMS802       | RNSMS802                   | 52680-05   | UNK363    | BAEB | 03-DEC-96   | 13-DEC-96     | <     | 2 UGL  |

Table: Appendix K  
SEMIVOLATILE SURROGATES  
FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number    | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|---------------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | SMV1               | 246TBP    | RNSWSB02       | RNSWSB02                   | 52680-01 BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SMV1               | 246TBP    | RNSWSB01       | RNSWSB01                   | 52680-02 BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 44 UGL     | 58.7             |
| ABB-ES     |                    | SMV1               | 246TBP    | RNSWSB01       | M030126X                   | 52856-01 BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SMV1               | 246TBP    | MW-03-02       | M030222X                   | 52856-02 BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 62 UGL     | 82.7             |
| ABB-ES     |                    | SMV1               | 246TBP    | MW-08-01       | M080120X                   | 52856-03 BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 54 UGL     | 72.0             |
| ABB-ES     |                    | SMV1               | 246TBP    | MW-09-01       | M090113X                   | 52856-04 BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 53 UGL     | 70.7             |
| ABB-ES     |                    | SMV1               | 246TBP    | RNSWSB01       | RNSWSB01                   | 52856-05 BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 45 UGL     | 60.0             |
| ABB-ES     |                    | SMV1               | 246TBP    | RNSWSB02       | RNSWSB02                   | 52856-07 BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 60 UGL     | 80.0             |
| ABB-ES     |                    | SMV1               | 246TBP    |                |                            | BAEA-BS1 BAEA |             | 27-NOV-96     | 75          | 64 UGL     | 85.3             |
| ABB-ES     |                    | SMV1               | 246TBP    |                |                            | BAEA-BS2 BAEA |             | 27-NOV-96     | 75          | 62 UGL     | 82.7             |
| ABB-ES     |                    | SMV1               | 246TBP    |                |                            | BAEB-BS1 BAEB |             | 18-DEC-96     | 75          | 56 UGL     | 74.7             |
| ABB-ES     |                    | SMV1               | 246TBP    |                |                            | BAEB-BS2 BAEB |             | 18-DEC-96     | 75          | 62 UGL     | 82.7             |
|            |                    |                    | *****     |                |                            |               |             |               |             | 68 UGL     | 90.7             |
|            |                    |                    | avg       |                |                            |               |             |               |             |            | 73.8             |
|            |                    |                    | minimum   |                |                            |               |             |               |             |            | 58.7             |
|            |                    |                    | maximum   |                |                            |               |             |               |             |            | 90.7             |
| ABB-ES     |                    | SMV1               | 2FBP      | RNSWSB02       | RNSWSB02                   | 52680-01 BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 23 UGL     | 46.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | RNSWSB01       | RNSWSB01                   | 52680-02 BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 27 UGL     | 54.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | RNSWSB01       | M030126X                   | 52856-01 BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 24 UGL     | 48.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | MW-03-02       | M030222X                   | 52856-02 BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 31 UGL     | 62.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | MW-08-01       | M080120X                   | 52856-03 BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 26 UGL     | 52.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | MW-09-01       | M090113X                   | 52856-04 BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 27 UGL     | 54.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | RNSWSB01       | RNSWSB01                   | 52856-05 BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 22 UGL     | 44.0             |
| ABB-ES     |                    | SMV1               | 2FBP      | RNSWSB02       | RNSWSB02                   | 52856-07 BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 28 UGL     | 56.0             |
| ABB-ES     |                    | SMV1               | 2FBP      |                |                            | BAEA-BS1 BAEA |             | 27-NOV-96     | 50          | 31 UGL     | 62.0             |
| ABB-ES     |                    | SMV1               | 2FBP      |                |                            | BAEA-BS2 BAEA |             | 27-NOV-96     | 50          | 33 UGL     | 66.0             |
| ABB-ES     |                    | SMV1               | 2FBP      |                |                            | BAEB-BS1 BAEB |             | 18-DEC-96     | 50          | 29 UGL     | 58.0             |
| ABB-ES     |                    | SMV1               | 2FBP      |                |                            | BAEB-BS2 BAEB |             | 18-DEC-96     | 50          | 28 UGL     | 56.0             |
|            |                    |                    | *****     |                |                            |               |             |               |             | 32 UGL     | 64.0             |
|            |                    |                    | avg       |                |                            |               |             |               |             |            | 55.5             |
|            |                    |                    | minimum   |                |                            |               |             |               |             |            | 44.0             |
|            |                    |                    | maximum   |                |                            |               |             |               |             |            | 66.0             |
| ABB-ES     |                    | SMV1               | 2FP       | RNSWSB02       | RNSWSB02                   | 52680-01 BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 50 UGL     | 66.7             |
| ABB-ES     |                    | SMV1               | 2FP       | RNSWSB01       | RNSWSB01                   | 52680-02 BAEA | 19-NOV-96   | 27-NOV-96     | 75          | 56 UGL     | 74.7             |

Table: Appendix K

## SEMI-VOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value | Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|-------|------|------------------|
| ABB-ES     |                    | SHV1               | 2FP       | RHSJSB01       | RHSJSB01                   | 52680-03   | BAEA | 18-NOV-96   | 27-NOV-96     | 75          | 52    | UGL  | 69.3             |
| ABB-ES     |                    | SHV1               | 2FP       | MAJ-03-01      | MO30126X                   | 52856-01   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 55    | UGL  | 73.3             |
| ABB-ES     |                    | SHV1               | 2FP       | MAJ-03-02      | MO30222X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 48    | UGL  | 64.0             |
| ABB-ES     |                    | SHV1               | 2FP       | MAJ-08-01      | MO30120X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 51    | UGL  | 68.0             |
| ABB-ES     |                    | SHV1               | 2FP       | MAJ-09-01      | MO30113X                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 40    | UGL  | 53.3             |
| ABB-ES     |                    | SHV1               | 2FP       | RHSJMA01       | RHSJMA01                   | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 75          | 52    | UGL  | 69.3             |
| ABB-ES     |                    | SHV1               | 2FP       | RHSJMA02       | RHSJMA02                   | 52856-07   | BAEB | 04-DEC-96   | 13-DEC-96     | 75          | 61    | UGL  | 81.3             |
| ABB-ES     |                    | SHV1               | 2FP       |                |                            | BAEA-B81   | BAEA | 27-NOV-96   | 27-NOV-96     | 75          | 64    | UGL  | 85.3             |
| ABB-ES     |                    | SHV1               | 2FP       |                |                            | BAEA-B82   | BAEA | 27-NOV-96   | 27-NOV-96     | 75          | 62    | UGL  | 82.7             |
| ABB-ES     |                    | SHV1               | 2FP       |                |                            | BAEB-B81   | BAEB | 18-DEC-96   | 18-DEC-96     | 75          | 51    | UGL  | 68.0             |
| ABB-ES     |                    | SHV1               | 2FP       |                |                            | BAEB-B82   | BAEB | 18-DEC-96   | 18-DEC-96     | 75          | 53    | UGL  | 70.7             |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |       |      | 71.3             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |       |      | 53.3             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |       |      | 85.3             |
| ABB-ES     |                    | SHV1               | NRD5      | RHSJSB02       | RHSJSB02                   | 52680-01   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 34    | UGL  | 68.0             |
| ABB-ES     |                    | SHV1               | NRD5      | RHSJSB01       | RHSJSB01                   | 52680-02   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 38    | UGL  | 76.0             |
| ABB-ES     |                    | SHV1               | NRD5      | MAJ-03-01      | MO30126X                   | 52680-03   | BAEA | 18-NOV-96   | 27-NOV-96     | 50          | 34    | UGL  | 68.0             |
| ABB-ES     |                    | SHV1               | NRD5      | MAJ-03-02      | MO30222X                   | 52856-01   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 43    | UGL  | 86.0             |
| ABB-ES     |                    | SHV1               | NRD5      | MAJ-08-01      | MO30120X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 33    | UGL  | 66.0             |
| ABB-ES     |                    | SHV1               | NRD5      | MAJ-09-01      | MO30113X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 38    | UGL  | 76.0             |
| ABB-ES     |                    | SHV1               | NRD5      | RHSJMA01       | RHSJMA01                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 28    | UGL  | 56.0             |
| ABB-ES     |                    | SHV1               | NRD5      | RHSJMA02       | RHSJMA02                   | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 36    | UGL  | 72.0             |
| ABB-ES     |                    | SHV1               | NRD5      |                |                            | BAEA-B81   | BAEA | 27-NOV-96   | 27-NOV-96     | 50          | 41    | UGL  | 82.0             |
| ABB-ES     |                    | SHV1               | NRD5      |                |                            | BAEA-B82   | BAEA | 27-NOV-96   | 27-NOV-96     | 50          | 44    | UGL  | 88.0             |
| ABB-ES     |                    | SHV1               | NRD5      |                |                            | BAEB-B81   | BAEB | 18-DEC-96   | 18-DEC-96     | 50          | 44    | UGL  | 88.0             |
| ABB-ES     |                    | SHV1               | NRD5      |                |                            | BAEB-B82   | BAEB | 18-DEC-96   | 18-DEC-96     | 50          | 35    | UGL  | 70.0             |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |       |      | 80.0             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |       |      | 75.1             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |       |      | 86.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RHSJSB02       | RHSJSB02                   | 52680-01   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 40    | UGL  | 80.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RHSJSB01       | RHSJSB01                   | 52680-02   | BAEA | 19-NOV-96   | 27-NOV-96     | 50          | 37    | UGL  | 74.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | MAJ-03-01      | MO30126X                   | 52680-03   | BAEA | 18-NOV-96   | 27-NOV-96     | 50          | 38    | UGL  | 76.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | 52856-01   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 44    | UGL  | 88.0             |

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value | Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|-------|------|------------------|
| ABB-ES     |                    | SHV1               | TRPD14    | MM-03-02       | M030222X                   | 52856-02   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 38    | UGL  | 76.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | MM-08-01       | M080120X                   | 52856-03   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 28    | UGL  | 56.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | MM-09-01       | M090113X                   | 52856-04   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 36    | UGL  | 72.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RNSMM01        | RNSMM01                    | 52856-05   | BAEB | 03-DEC-96   | 13-DEC-96     | 50          | 47    | UGL  | 94.0             |
| ABB-ES     |                    | SHV1               | TRPD14    | RNSMM02        | RNSMM02                    | 52856-07   | BAEB | 04-DEC-96   | 13-DEC-96     | 50          | 50    | UGL  | 100.0            |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEA-BS1   | BAEA | 27-NOV-96   |               | 50          | 40    | UGL  | 80.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEA-BS2   | BAEA | 27-NOV-96   |               | 50          | 44    | UGL  | 88.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEB-BS1   | BAEB | 18-DEC-96   |               | 50          | 41    | UGL  | 82.0             |
| ABB-ES     |                    | SHV1               | TRPD14    |                |                            | BAEB-BS2   | BAEB | 18-DEC-96   |               | 50          | 48    | UGL  | 96.0             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |       |      |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |       |      | 81.7             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |       |      | 56.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |       |      | 100.0            |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6   | UGG  | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-08-02       | B080212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.2   | UGG  | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-M9-01       | BM90112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.3   | UGG  | 76.5             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.5   | UGG  | 60.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-03       | B090312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.2   | UGG  | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-04       | B090412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.1   | UGG  | 44.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6   | UGG  | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6   | UGG  | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-CN-01       | SCN0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6   | UGG  | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-MM-01       | SMM0102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.7   | UGG  | 68.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-09-01       | S090101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6   | UGG  | 64.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-09-02       | S090201X                   | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.2   | UGG  | 48.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SS-M9-01       | SM90101X                   | 52678-13   | BSBS | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.4   | UGG  | 56.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-01       | B090112X                   | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.1   | UGG  | 44.0             |
| ABB-ES     |                    | SHV2               | 246TBP    | SB-09-02       | B090212X                   | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 2.5         | 2     | UGG  | 80.0             |
| ABB-ES     |                    | SHV2               | 246TBP    |                |                            | BSBS-BS1   | BSBS | 16-DEC-96   |               | 2.5         | 1.4   | UGG  | 56.0             |
| ABB-ES     |                    | SHV2               | 246TBP    |                |                            | BSBS-BS2   | BSBS | 16-DEC-96   |               | 2.5         | 1.1   | UGG  | 44.0             |
|            |                    |                    | *****     |                |                            |            |      |             |               |             |       |      |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |       |      | 58.4             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |       |      | 44.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |       |      | 80.0             |
| ABB-ES     |                    | SHV2               | 2TBP      | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1   | UGG  | 64.7             |

Table: Appendix K  
SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | SNV2               | 2FPP      | SB-08-02       | B080212X                   | 52678-02   | B888 | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-M9-01       | B090112X                   | 52678-03   | B888 | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-M9-01       | B090112X                   | 52678-04   | B888 | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-03       | B090312X                   | 52678-05   | B888 | 18-NOV-96   | 16-DEC-96     | 1.7         | .86 UGG    | 50.6             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-04       | B090412X                   | 52678-06   | B888 | 18-NOV-96   | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-LE-01       | SLE0101X                   | 52678-07   | B888 | 19-NOV-96   | 16-DEC-96     | 1.7         | .98 UGG    | 57.6             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-LE-02       | SLE0201X                   | 52678-08   | B888 | 19-NOV-96   | 18-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-CJ-01       | SCJ0101X                   | 52678-09   | B888 | 19-NOV-96   | 18-DEC-96     | 1.7         | .82 UGG    | 48.2             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-MJ-01       | SMJ0102X                   | 52678-10   | B888 | 19-NOV-96   | 18-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-09-01       | S090101X                   | 52678-11   | B888 | 19-NOV-96   | 18-DEC-96     | 1.7         | .97 UGG    | 57.1             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-09-02       | S090201X                   | 52678-12   | B888 | 19-NOV-96   | 16-DEC-96     | 1.7         | .96 UGG    | 56.5             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-M9-01       | SM90101X                   | 52678-13   | B888 | 19-NOV-96   | 18-DEC-96     | 1.7         | .96 UGG    | 56.5             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-01       | B090112X                   | 52678-14   | B888 | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.7 UGG    | 100.0            |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-02       | B090212X                   | 52678-15   | B888 | 18-NOV-96   | 16-DEC-96     | 1.7         | .92 UGG    | 54.1             |
| ABB-ES     |                    | SNV2               | 2FPP      | *****          |                            | B888-B81   | B888 |             | 16-DEC-96     | 1.7         | .85 UGG    | 50.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | *****          |                            | B888-B82   | B888 |             | 16-DEC-96     | 1.7         |            |                  |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-08-01       | B080112X                   | 52678-01   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-08-02       | B080212X                   | 52678-02   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.8 UGG    | 72.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-M9-01       | B090112X                   | 52678-03   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-M9-01       | B090112X                   | 52678-04   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-03       | B090312X                   | 52678-05   | B888 | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-04       | B090412X                   | 52678-06   | B888 | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-LE-01       | SLE0101X                   | 52678-07   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-LE-02       | SLE0201X                   | 52678-08   | B888 | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.7 UGG    | 68.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-CJ-01       | SCJ0101X                   | 52678-09   | B888 | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-MJ-01       | SMJ0102X                   | 52678-10   | B888 | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-09-01       | S090101X                   | 52678-11   | B888 | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-09-02       | S090201X                   | 52678-12   | B888 | 19-NOV-96   | 16-DEC-96     | 2.5         | 1.6 UGG    | 64.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SS-M9-01       | SM90101X                   | 52678-13   | B888 | 19-NOV-96   | 18-DEC-96     | 2.5         | 1.3 UGG    | 52.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-01       | B090112X                   | 52678-14   | B888 | 18-NOV-96   | 16-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | SB-09-02       | B090212X                   | 52678-15   | B888 | 18-NOV-96   | 16-DEC-96     | 2.5         | 2.6 UGG    | 104.0            |
| ABB-ES     |                    | SNV2               | 2FPP      | *****          |                            | B888-B81   | B888 |             | 16-DEC-96     | 2.5         | 1.5 UGG    | 60.0             |
| ABB-ES     |                    | SNV2               | 2FPP      | *****          |                            | B888-B82   | B888 |             | 16-DEC-96     | 2.5         | 1.4 UGG    | 56.0             |

Table: Appendix K

## SEMIVOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| *****      |                    |                    |           |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 64.5             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 52.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 104.0            |
| ABB-ES     |                    | SMV2               | NBD5      | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-08-02       | B080212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-M9-01       | B090112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-09-03       | B090312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .87 UGG    | 51.2             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-09-04       | B090412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-CH-01       | SCH0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .91 UGG    | 53.5             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-W4-01       | SW40102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-09-02       | S090101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | .99 UGG    | 58.2             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-09-01       | S090201X                   | 52678-12   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .92 UGG    | 54.1             |
| ABB-ES     |                    | SMV2               | NBD5      | SS-M9-01       | SM90101X                   | 52678-13   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | .87 UGG    | 51.2             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-09-01       | B090112X                   | 52678-14   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | NBD5      | SB-09-02       | B090212X                   | 52678-15   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.7 UGG    | 100.0            |
| ABB-ES     |                    | SMV2               | NBD5      |                |                            | BSBS-BS1   | BSBS |             | 16-DEC-96     | 1.7         | .93 UGG    | 54.7             |
| ABB-ES     |                    | SMV2               | NBD5      |                |                            | BSBS-BS2   | BSBS |             | 16-DEC-96     | 1.7         | .83 UGG    | 48.8             |
| *****      |                    |                    |           |                |                            |            |      |             |               |             |            |                  |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 59.3             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 48.8             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 100.0            |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-08-01       | B080112X                   | 52678-01   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.3 UGG    | 76.5             |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-08-02       | B080212X                   | 52678-02   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.5 UGG    | 88.2             |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-M9-01       | B090112X                   | 52678-03   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.4 UGG    | 82.4             |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-PH-01       | BPH0107X                   | 52678-04   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-09-03       | B090312X                   | 52678-05   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | TRPD14    | SB-09-04       | B090412X                   | 52678-06   | BSBS | 18-NOV-96   | 16-DEC-96     | 1.7         | 1 UGG      | 58.8             |
| ABB-ES     |                    | SMV2               | TRPD14    | SS-LE-01       | SLE0101X                   | 52678-07   | BSBS | 19-NOV-96   | 16-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | TRPD14    | SS-LE-02       | SLE0201X                   | 52678-08   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | TRPD14    | SS-CH-01       | SCH0101X                   | 52678-09   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |
| ABB-ES     |                    | SMV2               | TRPD14    | SS-W4-01       | SW40102X                   | 52678-10   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1.2 UGG    | 70.6             |
| ABB-ES     |                    | SMV2               | TRPD14    | SS-09-01       | S090101X                   | 52678-11   | BSBS | 19-NOV-96   | 18-DEC-96     | 1.7         | 1.1 UGG    | 64.7             |

**FT. ALLEN**

[illegible]



Table: Appendix K

## VOLATILE SURROGATES

FT. ALLEN

| Contractor | Method Description | IRDMIS Method Code | Test Name | IRDMIS Site ID | IRDMIS Field Sample Number | Lab Number | Lot  | Sample Date | Analysis Date | Spike Value | Value Unit | Percent Recovery |
|------------|--------------------|--------------------|-----------|----------------|----------------------------|------------|------|-------------|---------------|-------------|------------|------------------|
| ABB-ES     |                    | VMS1               | 12DCD4    |                |                            | VAFW-BS1   | VAFW |             | 12-DEC-96     | 10          | 9.3 UGL    | 93.0             |
| ABB-ES     |                    | VMS1               | 12DCD4    |                |                            | VAFW-BS2   | VAFW |             | 12-DEC-96     | 10          | 9.5 UGL    | 95.0             |
| ABB-ES     |                    | VMS1               | 12DCD4    |                |                            | VAFX-BS1   | VAFX |             | 14-DEC-96     | 10          | 9.5 UGL    | 95.0             |
|            |                    |                    | *****     |                |                            | VAFX-BS2   | VAFX |             | 14-DEC-96     | 10          | 9.6 UGL    | 96.0             |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 94.8             |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 93.0             |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 96.0             |
| ABB-ES     |                    | VMS1               | 4BFB      |                |                            | VAFW-BS1   | VAFW |             | 12-DEC-96     | 10          | 10 UGL     | 100.0            |
| ABB-ES     |                    | VMS1               | 4BFB      |                |                            | VAFW-BS2   | VAFW |             | 12-DEC-96     | 10          | 11 UGL     | 110.0            |
| ABB-ES     |                    | VMS1               | 4BFB      |                |                            | VAFX-BS1   | VAFX |             | 14-DEC-96     | 10          | 10 UGL     | 100.0            |
|            |                    |                    | *****     |                |                            | VAFX-BS2   | VAFX |             | 14-DEC-96     | 10          | 10 UGL     | 100.0            |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 102.5            |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 100.0            |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 110.0            |
| ABB-ES     |                    | VMS1               | MEC6D8    |                |                            | VAFW-BS1   | VAFW |             | 12-DEC-96     | 10          | 11 UGL     | 110.0            |
| ABB-ES     |                    | VMS1               | MEC6D8    |                |                            | VAFW-BS2   | VAFW |             | 12-DEC-96     | 10          | 11 UGL     | 110.0            |
| ABB-ES     |                    | VMS1               | MEC6D8    |                |                            | VAFX-BS1   | VAFX |             | 14-DEC-96     | 10          | 11 UGL     | 110.0            |
|            |                    |                    | *****     |                |                            | VAFX-BS2   | VAFX |             | 14-DEC-96     | 10          | 10 UGL     | 100.0            |
|            |                    |                    | avg       |                |                            |            |      |             |               |             |            | 107.5            |
|            |                    |                    | minimum   |                |                            |            |      |             |               |             |            | 100.0            |
|            |                    |                    | maximum   |                |                            |            |      |             |               |             |            | 110.0            |

**GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS**

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**ABB Environmental Services, Inc.**

## **GRO/DRO DATA VALIDATION REPORT**

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**ABB Environmental Services, Inc.**

W001976APP

9890-05

**DATA VALIDATION REPORT  
MODIFIED USEPA METHOD 8015A FOR GRO/DRO  
SITE INSPECTION REPORT  
FORT ALLEN, JUANA DIAZ, PUERTO RICO**

**Introduction:** The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

**Holding Times.** All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a V<sup>m</sup> to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of  $\leq 4^{\circ}\text{C}$ . Cooler temperatures ranged from seven degrees to  $14^{\circ}\text{C}$ . This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

**Initial Calibration.** Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values  $<20\%$ .

**Continuing Calibration.** Continuing calibrations were analyzed for the DRO analysis at the mid-point level of 2500  $\mu\text{g/mL}$ . All continuing calibrations were  $\leq 15\%$  Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of 200  $\mu\text{g/L}$ . All continuing calibrations were  $\leq 15\%$  Difference.

**Method Blank.** Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

**Surrogate Spikes.** All samples analyzed for DRO were spiked with  $\sigma$ -Terphenyl at a final concentration of 20  $\mu\text{g/mL}$  prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and,  $\alpha,\alpha,\alpha$ -Trifluorotoluene (TFT) surrogate at a concentration of 30  $\mu\text{g/L}$  prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

**Matrix Spikes/Matrix Spike Duplicates.** Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

**Laboratory Control Samples.** Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at  $\pm 44\%$  RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

**Overall Assessment.** Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

## DRO CHROMATOGRAMS

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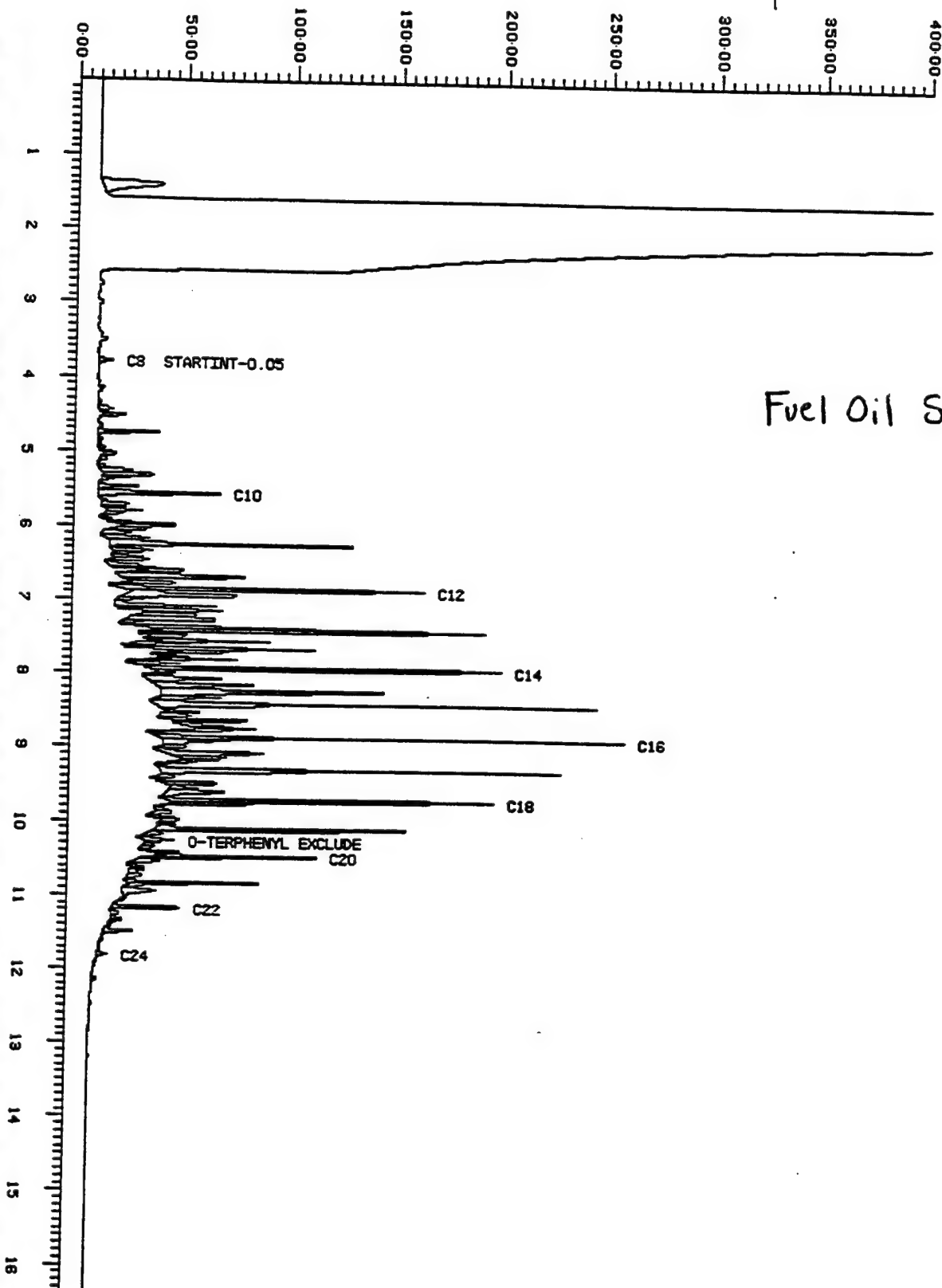
**ABB Environmental Services, Inc.**

Quanterra Denver Multichrom V2.1

[FID12\_2] 76 Z10DEC96,14,1

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RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
Acquired on 10-DEC-1996 at 18:19  
Reported on 10-DEC-1996 at 18:50  
Box 1 (of 1)

*Qc 12/11*



Fuel Oil Standard



[FID12\_2] 76 Z09DEC96,19,1

52678-13

PDIL=10%

T=SA.

Amount : 1.000.

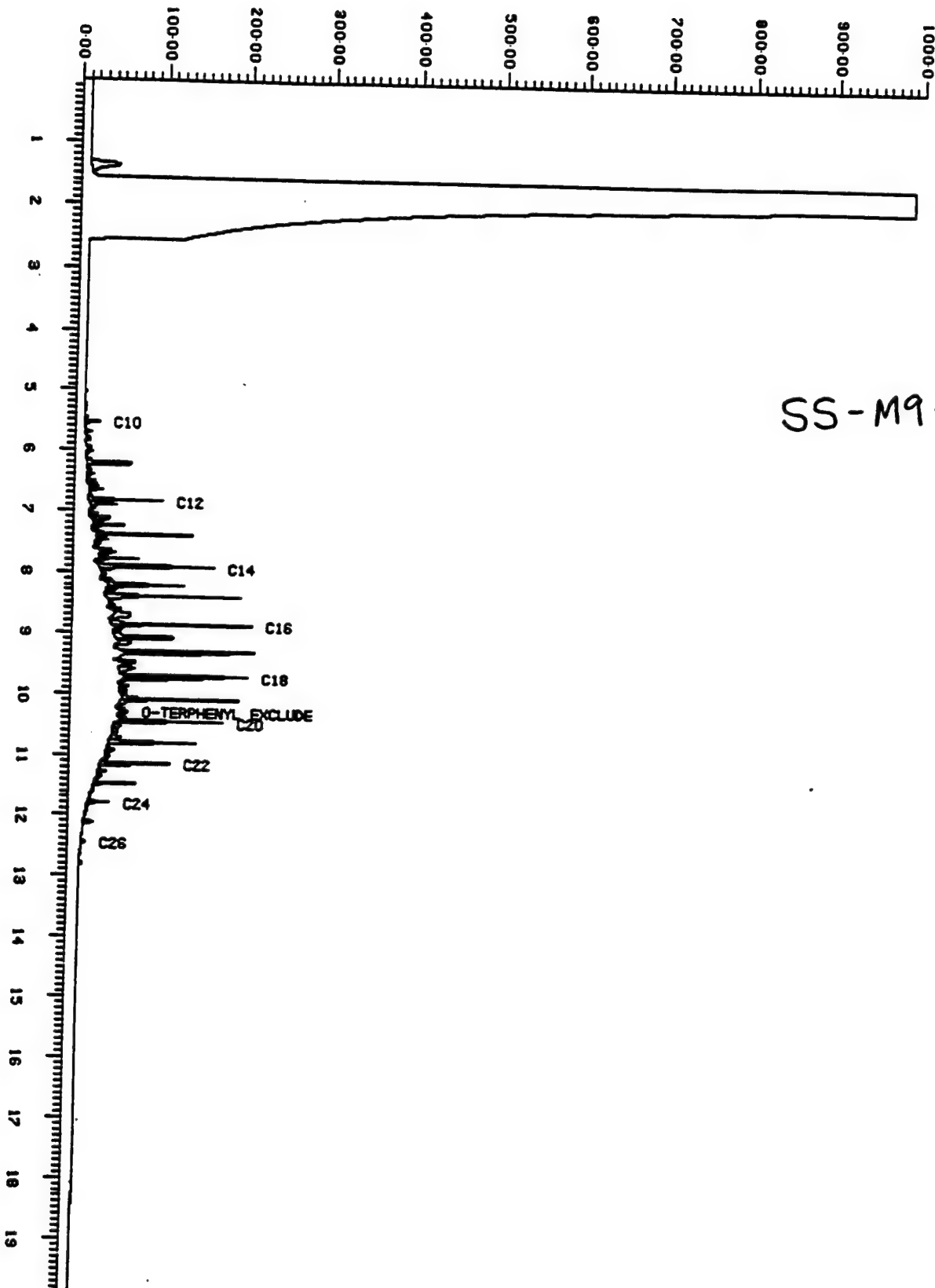
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Acquired on 9-DEC-1996 at 21:19

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

QC 12/10



SS-M9-01

[FID12\_2] 76 Z09DEC96,14,1

52678-08

T=SA.

Amount : 1.000.

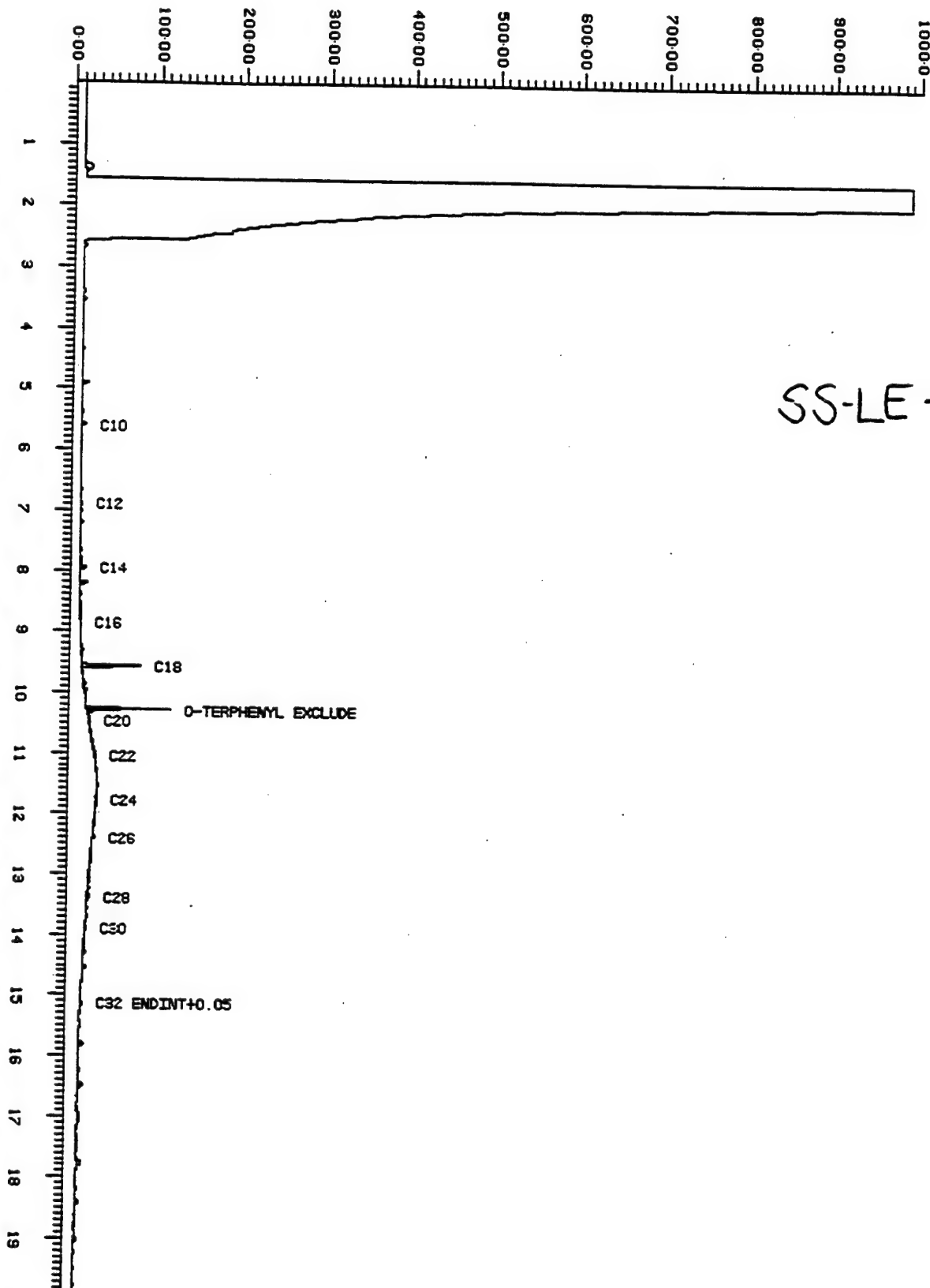
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Acquired on 9-DEC-1996 at 18:31

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*P-1210*



SS-LE-02

[FID12\_2] 76 Z10DEC96,9,1

52678-07

T-SA.

Amount : 1.000.

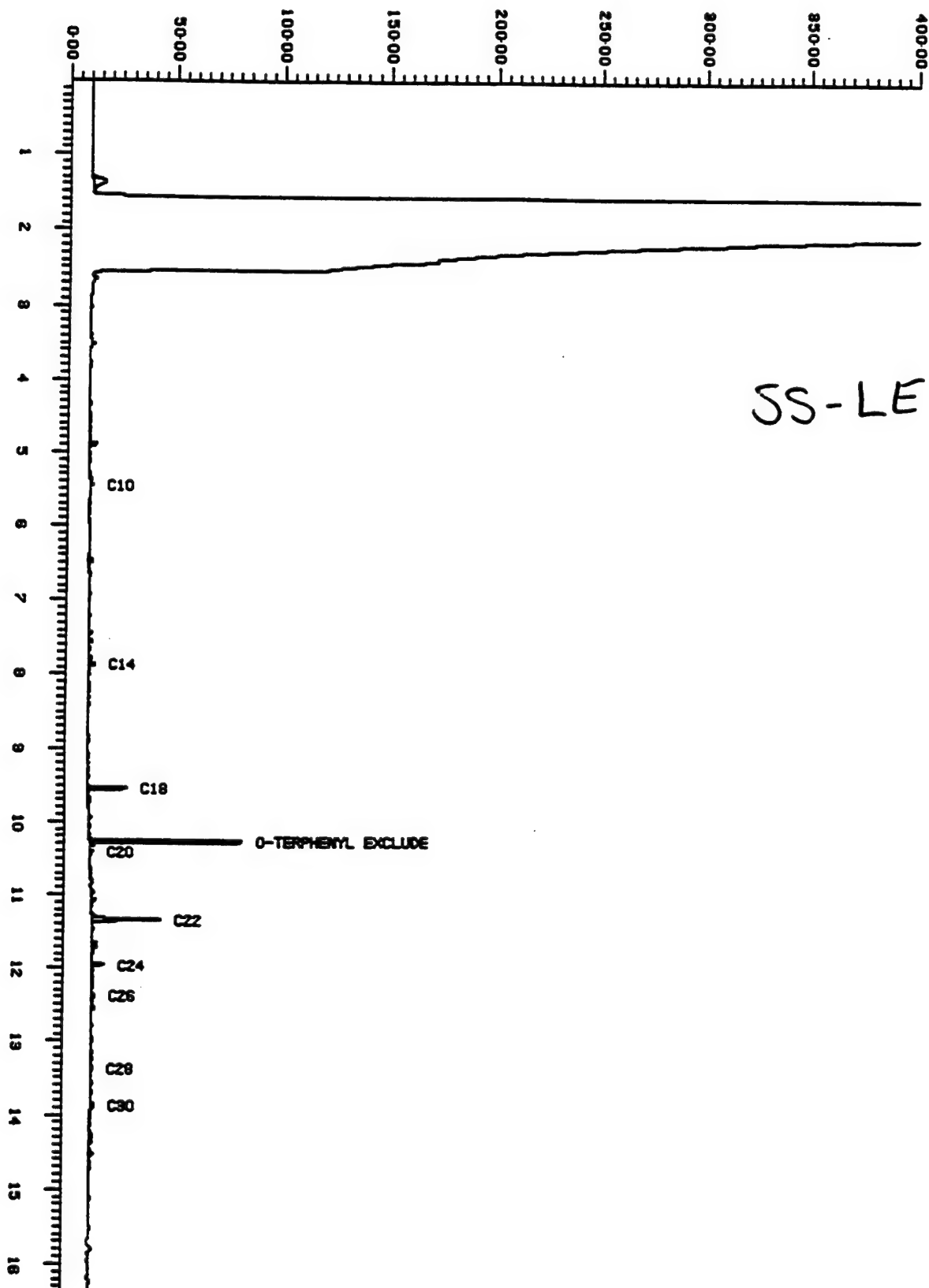
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length

Acquired on 10-DEC-1996 at 15:30

Reported on 10-DEC-1996 at 16:02

Box 1 (of 1)

*PC 12/11*



*SS-LE-01*

[FID12\_2] 76 Z09DEC96,17,1

52678-11

T=SA.

Amount : 1.000.

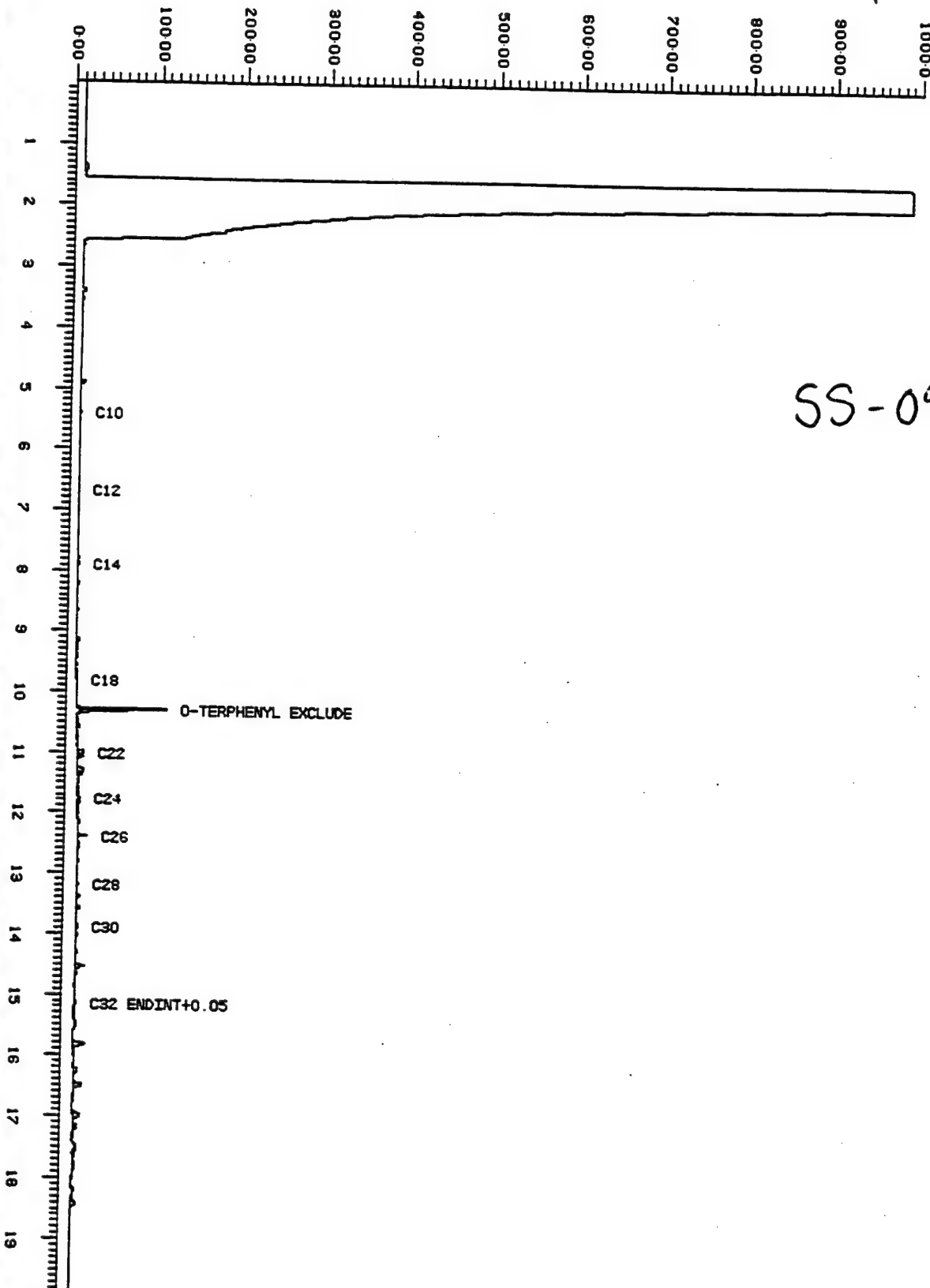
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length

Acquired on 9-DEC-1996 at 20:12

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*P-12/10*



SS-09-01

[FID12\_2] 76 Z09DEC96,16,1

52678-10

T=SA.

Amount : 1.000.

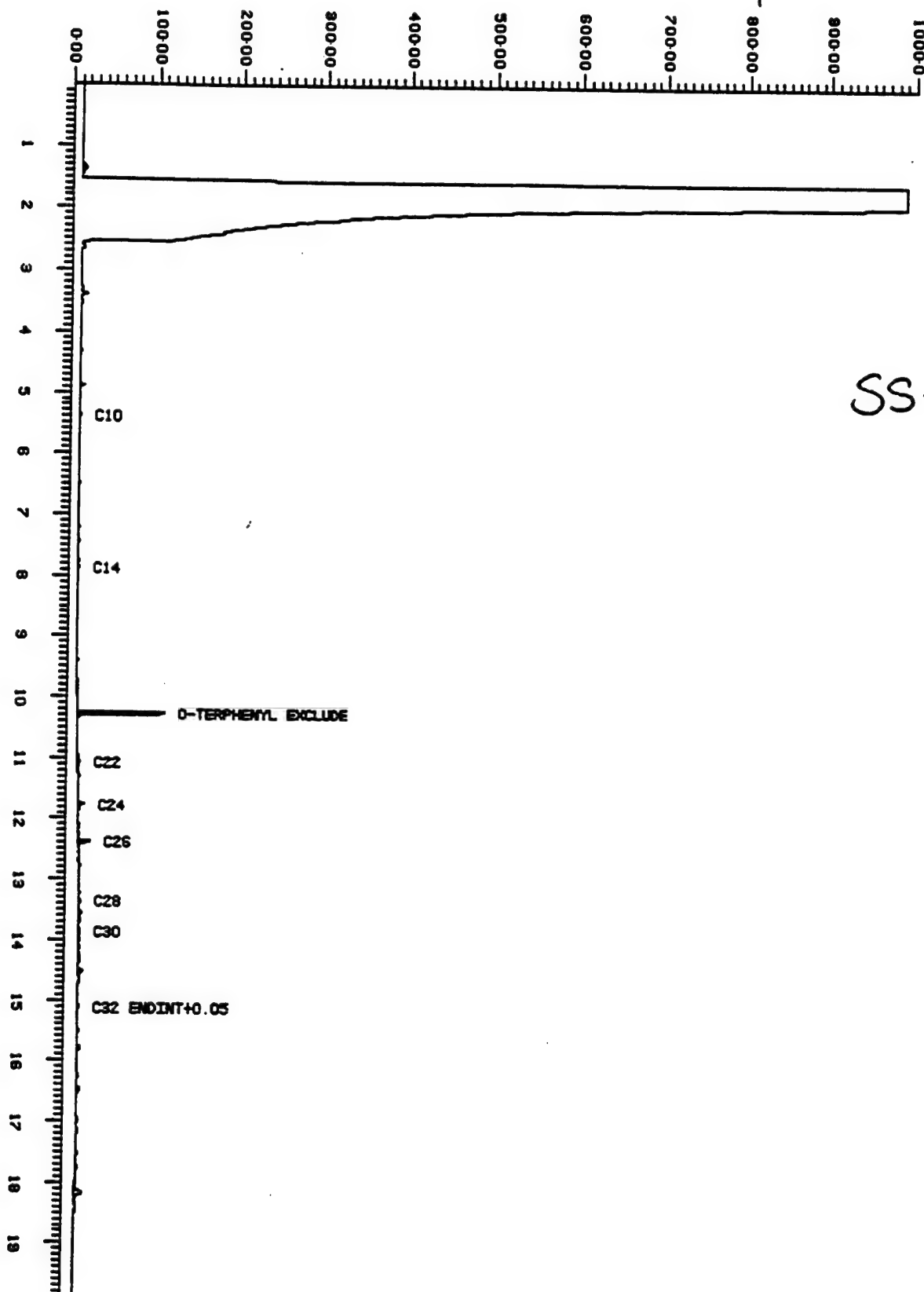
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length

Acquired on 9-DEC-1996 at 19:38

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

*Be 12/10*



SS-WW-01

[FID12\_2] 76 Z09DEC96,15,1

52678-09

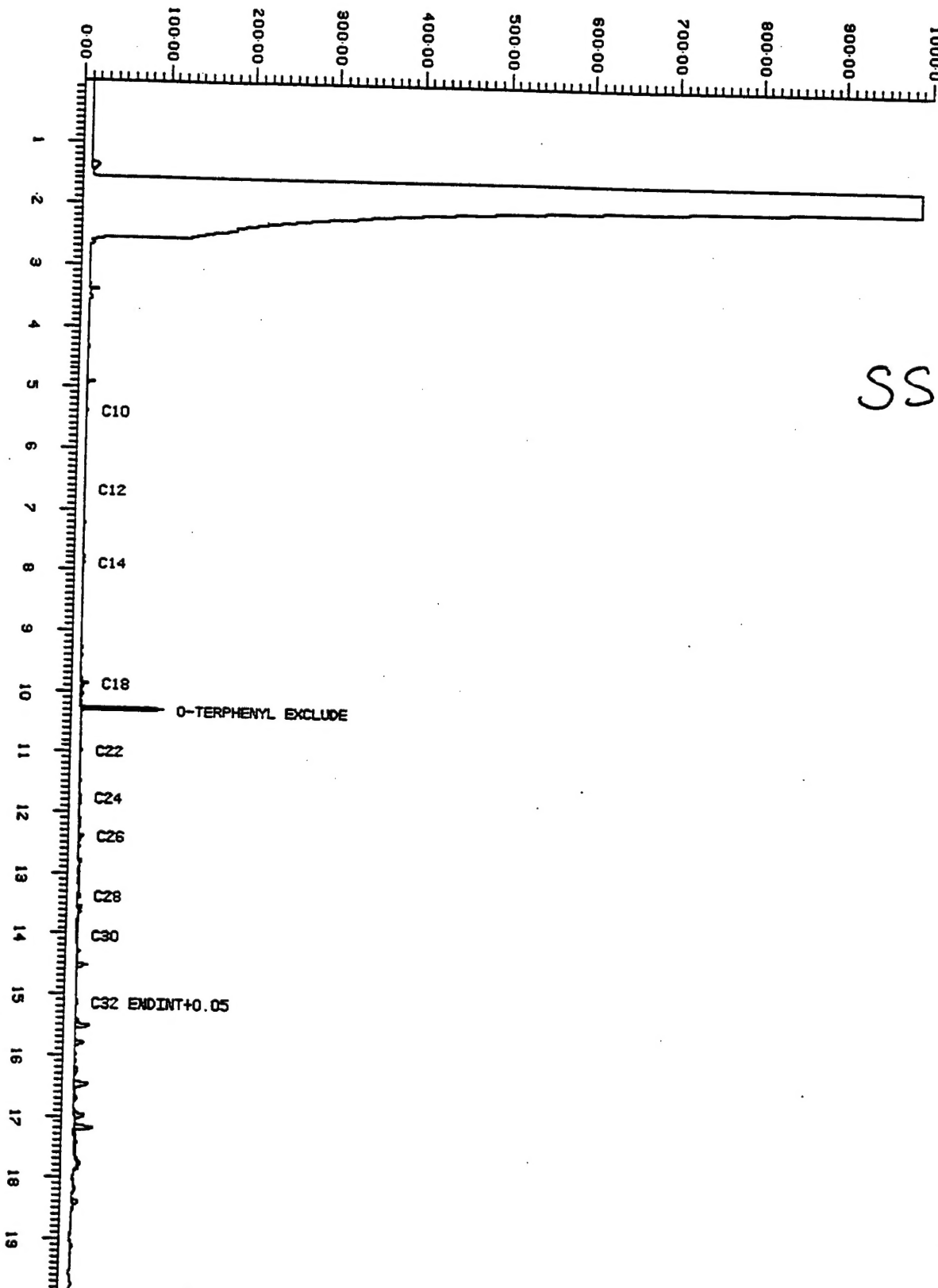
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length T=SA. Amount : 1.000.

Acquired on 9-DEC-1996 at 19:05

Reported on 10-DEC-1996 at 09:58

Box 1 (of 1)

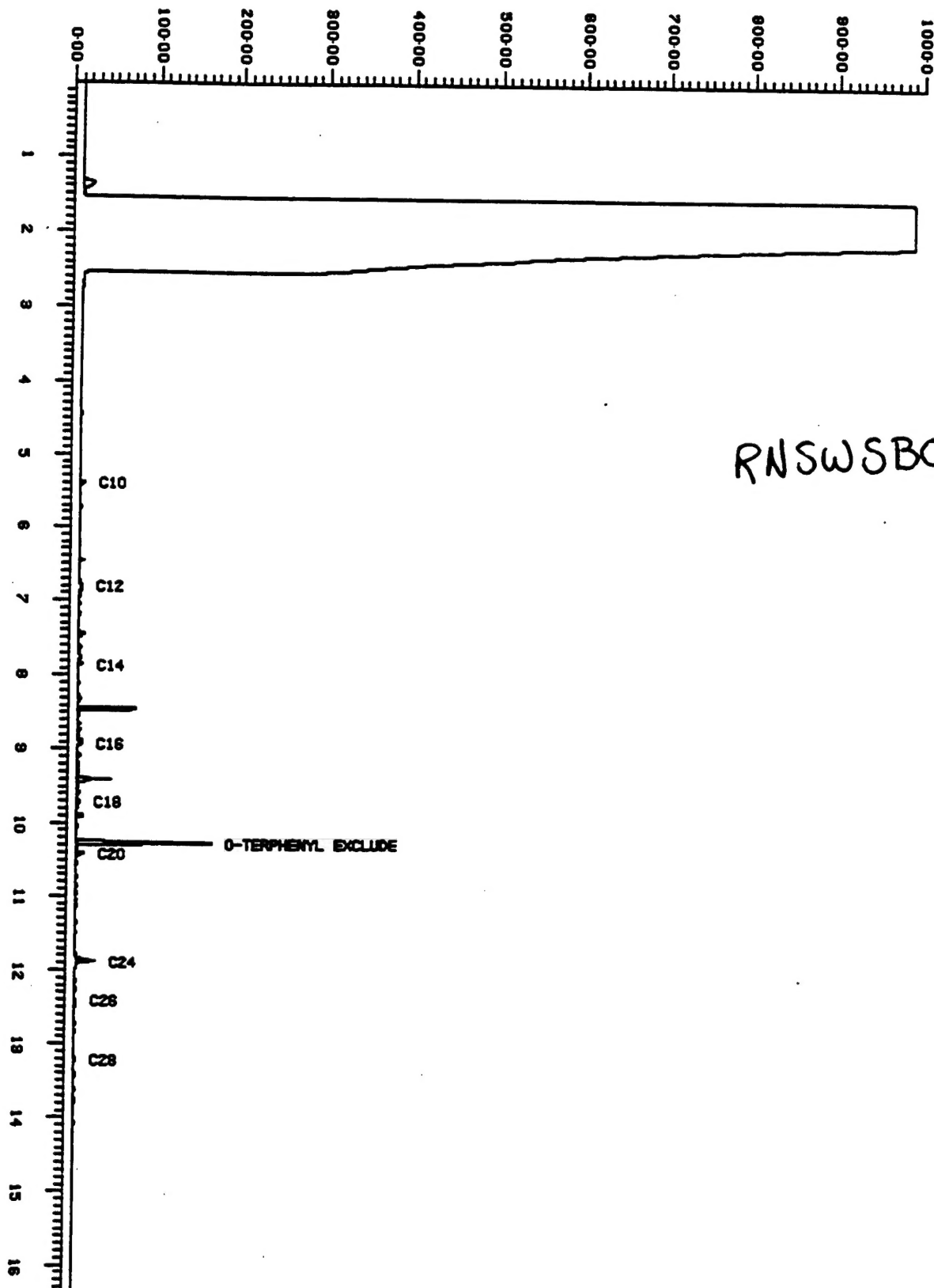
*Be 12/10*



SS-CW-01

[FID11\_4] 75 Z26NOV96,9,1

52680-01 AMT=0.94L PDIL=100% T=SA. Amount : 1.000.  
 RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
 Acquired on 26-NOV-1996 at 12:33  
 Reported on 26-NOV-1996 at 13:04  
 Box 1 (of 1)



RNSWSB02

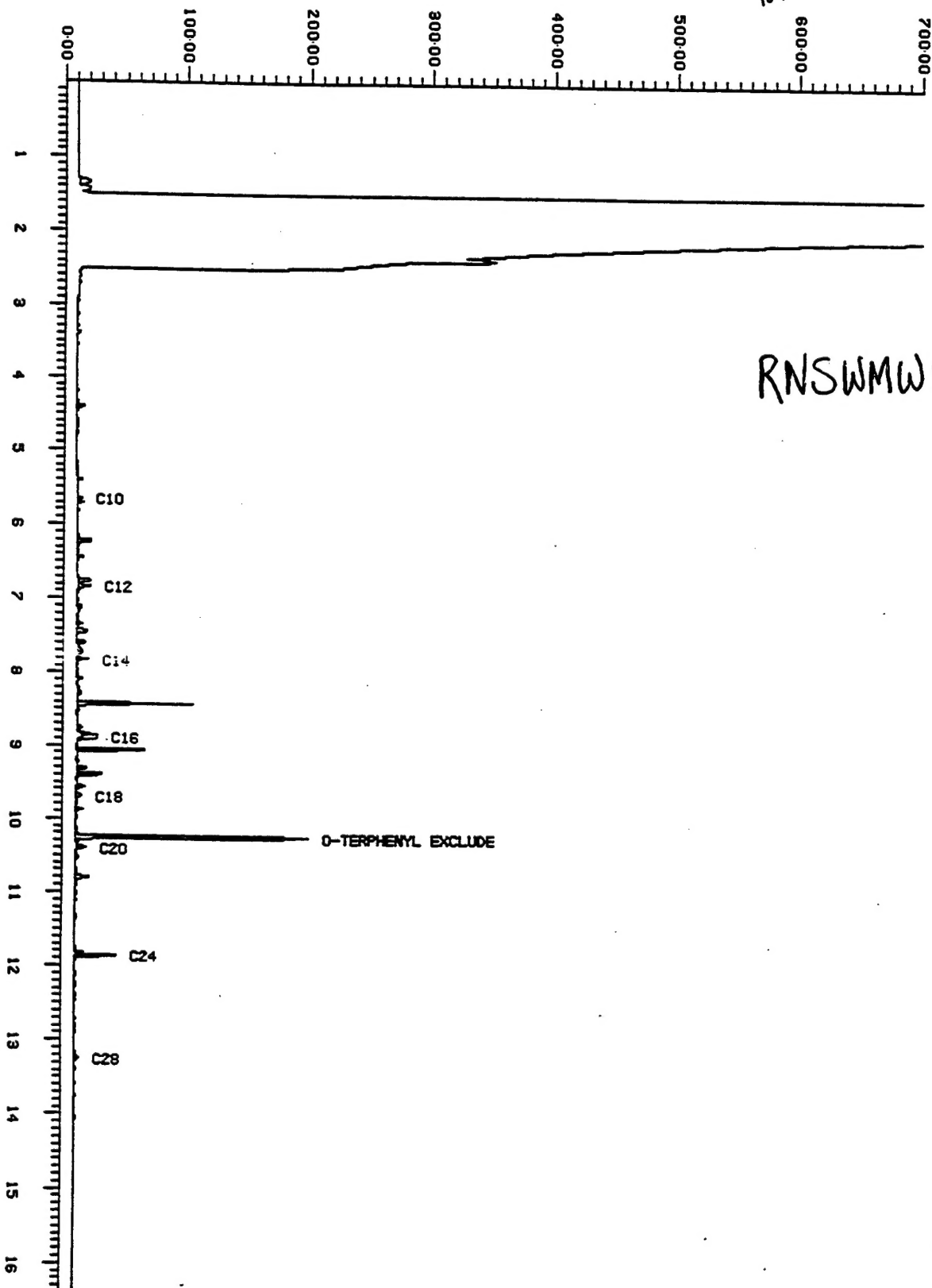
AD  
11/27

Quanterra Denver Multichrom V2.1

[FID12\_2] 75 Z10DEC96,15,1

52856-07RB AMT=0.970L T=SA. Amount : 1.000.  
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
Acquired on 10-DEC-1996 at 18:52  
Reported on 10-DEC-1996 at 19:24  
Box 1 (of 1)

*β-  
12/11*



RNSWMW02



Quanterra Denver Multichrom V2.1

[FID12\_2] 75 Z10DEC96,11,1

52856-02 AMT=0.855L T-SA. Amount : 1.000.  
RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length  
Acquired on 10-DEC-1996 at 16:38  
Reported on 10-DEC-1996 at 17:10  
Box 1 (of 1)

